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"CHEMICUS, CANNON, LONDON."
[Charged as two words only.]

Established in
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FEBRUARY 14, 1914.

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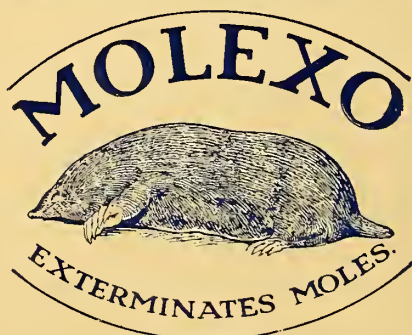
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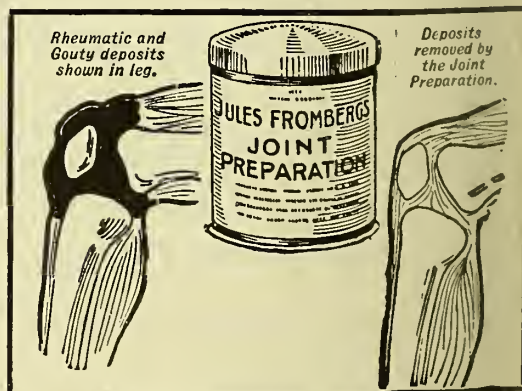
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WE THANK OUR FRIENDS AND THEY THANK US!

Extracts from Letters received from Prizewinners in

WRIGHT'S COAL TAR SOAP

Window Display Competition, 1913.

Neve & Co., HASTINGS.

"Accept best thanks for the prize allotted to us. We are still anxious to get hold of the first, and this year intend making a special effort. We shall just do a tip-top window, and will send our order as soon as we are clear and ready. Your prizes are so handsome, it's worth a real effort."

H. L. Warne, VENTNOR.

"I am in receipt of your letter and postal order for 20s., for which I tender my best thanks. I was surprised to learn that I had been allotted one of the prizes offered, this being the first time I have entered for any such competition. Needless to say, I intend doing better this year. Apart from the competition, your 'Sapo Carbonis' is worth a place in every pharmacist's shop. It draws, it pays, and is always a pleasure to sell."

Pratt's Drug Stores, CROYDON.

"My £1 prize safely to hand this evening. Please accept my hearty thanks for same. I would like to point out that I shall do my utmost to increase the sales of your soap to our mutual advantage. Again thanking you most sincerely, with compliments, I remain——"

W. H. Harrison, HINDLEY.

"It is with the deepest sense of satisfaction and heartiest thanks I wish to acknowledge receipt of cheque value £25. It was beyond my real expectations to become principal prizewinner in the window-dressing competition. However, I am highly delighted, not only to know I have given you the best display, but also to recommend and promote the sales of your products, the Wright's Coal Tar Specialities, which are a valuable asset to any pharmacy. Again thanking you."

W. E. Coultas, SHEFFIELD.

"I wish to acknowledge with many thanks your cheque value £15, which is indeed a very handsome prize, as a result of my efforts in your window-dressing competition of 1913. I suppose it is only natural that I feel very proud of the distinction, especially as my window does not lend itself to artistic displays; yet I am pleased to say the show of your Soap created an impression on the public, and also an increased demand for the same, which has kept up very satisfactorily. Your congratulations are greatly esteemed, and I thank you."

The Arabic numerals (1 to 32) in this Index refer to Advertisements in front of the literary pages; the Advertisements following the literary pages are numbered in Roman numerals (i to xx).

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Solport Bros.

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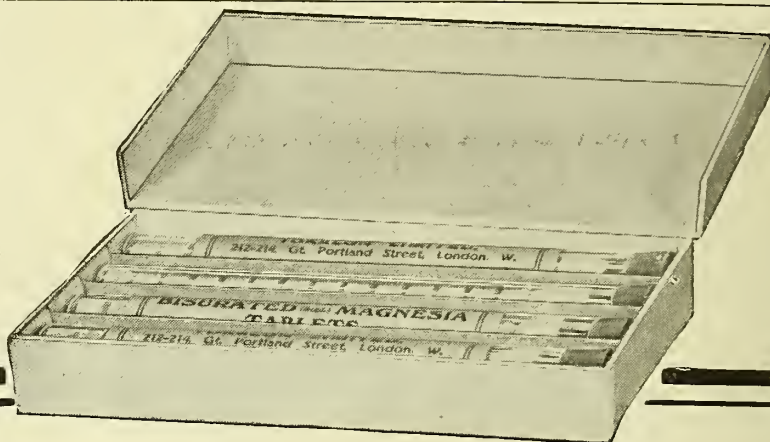
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FEB. 14, 1914.

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NOTES & NEWS

An extra good 2d. line is our latest Menthol Cones put up in tins. Each cone is wrapped in tinfoil. The tins are printed in black on a red ground. Order No. 13a, 1/3 per dozen.

Watch "Maw's Page" for the announcements of new "Parex" lines, at an early date.

Four new 6d. Nail Brushes will interest Pharmacists acquainted with our brushware. No. 2459, 8-row, stiff texture. No. 3268, 8-row, stiff white fibre. No. 3248, 6-row, hollow back, and No. 2065, 6-row, with bristle single row at back. All wood backs, 4/- per dozen.

PHARMACY EQUIPMENTS

PALETTE KNIVES REDUCED.

We recently received from a North of England chemist some Palette Knives supplied to him about 50 years ago, marked "S. Maw & Son." The fact that they are still quite serviceable eloquently proves their excellence.

With the publication of our 1913 List we made some substantial reductions in the prices of our Palette Knives, and we quote a few examples, as follows:—E1886/R. Riveted Handles, ranging from 4/6 to 21/- per doz. B1887/R. Stiff Broad Blades from 7/6 to 11/- per doz. B1888/R (as illustrated), Riveted Balance Handles, from 5/- to 22/- per doz.

A full selection of Palette, Cutting, Ointment, Pill and Powder Knives will be found on pp. 306-307 of our List.



THE PAMPHLET

ANOTHER ADVERTISING TALK.

Good paper! Good printing! If the Pharmacist who contemplates the issue of a pamphlet cannot command these first essentials to successful publicity, his proposed venture is fittingly answered by an adapted version of the famous "Advice to those about to marry"—DON'T!

A printer's estimate has been the ruin of many a promising advertising scheme. The Chemist decides to issue a pamphlet. He obtains quotations from his printer. The Chemist has his choice between two prices. As a business man, he selects the lowest. He should appreciate the fact that the variation in price is not the difference between the quality of the printing, but the quality of the paper!

It is a bad plan to crowd too many lines into a pamphlet. The interest of the recipient is confused; and the contents will leave no lasting impression. Three or four really good lines, classed, if possible, under one descriptive title, make the ideal pamphlet.

EVERY PHARMACIST SHOULD
□ READ THIS ISSUE OF □

Maw's Page

□ □ □

SINCE CHRISTMAS THE MERITS OF OVER FIFTY OF OUR LATEST AND BEST LINES HAVE BEEN PLACED BEFORE PHARMACISTS IN THESE COLUMNS. CAN YOU AFFORD TO NEGLECT A PERUSAL OF EACH ISSUE, OR TO KEEP IN TOUCH WITH THE PROGRESS OF THE HOUSE OF MAW? MAW'S PAGE IS YOUR PAGE.

First Five Weeks, 1914, Bovril Sales Increase by over 1,250,000 Bottles

Some interesting Particulars Given at the
Bovril General Meeting, February 10th, 1914.

(Extract from Lord Erroll's Address.)

At our Meeting twelve months ago I referred to the satisfactory rate of increase in the sales for the years 1911 and 1912. I am glad to say this progress continued throughout 1913 and that the sales of the year were far ahead of all previous records—an increase of more than £270,000 being shown over those of 1910. I also referred to the good business done during January, 1913, and once more I am glad to be able to report a most excellent start—the sales for the first five weeks of 1914 being more than double those for the same period last year. The increase alone represents an additional sale of considerably more than 1,250,000 bottles of Bovril in the first five weeks of the year.

When a business is small, doubling the turnover may be given a purely fictitious importance, but on the figures I have just quoted you may be able to gather some idea of the magnitude of the Bovril trade since the beginning of this year.

On the right-hand side of the Accounts, the "Gross Profit on Trading" shows the results of the higher cost of cattle, and a consequent reduction in the actual Bovril profits, but the item "Interest and Dividends, Profit, etc., from Associated Companies" shows an increase of some £30,500, which I think you will agree is a particularly satisfactory feature. It is partly owing to these good results, which are quite outside any profits on the sale of Bovril, that the Directors are enabled to recommend the 2 per cent. Dividend on the Deferred Shares. I would just mention that practically a half of the amount under this heading comes to us from our holding in Estates Control Limited, which Company is one of the largest dealers in extract and essence of beef in bulk. Its sales during the past two years have increased considerably, and it has made large profits. In fact, so satisfactory has been Estates Control's outside business that since the end of 1912 the work undertaken for Bovril has been done without any profit charge.

You will remember that Estates Control has certain duties to perform in connection with the Australian and Argentine Estates of Bovril. These Estates cover an area of some 9,900,000 acres, with stocks of cattle already exceeding a quarter of a million head.

Now you will realise that with the large and growing sales of Bovril our raw material requirements are very great. So great, in fact, has been the increase in the consumption in recent years that even the resources of the vast Bovril Cattle Farms have been heavily taxed to keep pace with the demand. Thus, quite apart from any annual surplus of cattle on, for instance, the Argentine Estates of Bovril Limited, it is necessary to select and buy cattle from the estancieros or farmers for hundreds of miles round the factories, either for immediate use or as store cattle to fatten for the following season.

The buying of additional cattle has had to be done in the face of a growing world-demand for beef which has so

raised prices that the local ranchers want nearly twice as much for their stocks as they did two or three years ago, and it is this all-important factor that has increased the cost of Bovril, and rendered necessary an advance in our selling prices—prices which had remained unaltered for a quarter of a century. The new scale of selling prices came into force on the 1st January, 1914. If we had seen any chance of a reduction in the cost of raw material in the near future we might have avoided this slight alteration in price, but there seems to be little prospect of a return to the lower costs of previous years. From the information I have already given you with regard to the sales, you will realize how general has been the demand, even at the slightly higher prices now ruling, that "It must be Bovril."

Turning once more to the "Profit and Loss Account" you will see that our "Gross Profit on Trading" was £70,000 less than last year, notwithstanding the enormous increase in sales. The reason for this will be apparent to you after my remarks about the increased cost of beef, and when you bear in mind that it takes several pounds of beef to make a small bottle of Bovril. As you will remember I told you last year "for Bovril only the best will do, and while this makes for strength and stability on the one hand, it is, on the other, in the conditions now prevailing, a potent factor in increasing manufacturing costs. It is, so to speak, the handicap imposed upon us by our high standard of quality. This question of increased cost of raw material is a most serious problem."

I would here urge upon all the many thousands of our Shareholders to use their influence to increase our great business. Bovril is the preparation that has stood the test of independent scientific investigation, and you will all remember how splendidly it came through that test.

Since the close of the period under review, we have had a further most gratifying proof of the value placed on the good qualities of Bovril. Sir Ernest Shackleton, who sails in August next to make his great journey across the Antarctic Continent, has written to his Agent as follows:—

"I consider the question of the concentrated beef supply is most important—it must be Bovril."

In view of the unmatched experience of Sir Ernest Shackleton, who has been with, or associated in the equipment of, no fewer than five important Polar Expeditions, this is a high testimonial indeed.

In planning to cross the South Antarctic Continent from sea to sea, Sir Ernest must perforce abandon the usual plan of establishing food depots for the return journey. He is attempting a feat without parallel even in the thrilling annals of Polar Exploration, one in which food concentration is a matter of supreme importance.

He also takes with him large supplies of Virol, the warmth-giving qualities of which are well known to him. I would just like to say that Virol Limited continues to make good headway, and, during the period we have just reviewed, a dividend of 12½ per cent. was received on our holding of Virol Shares.

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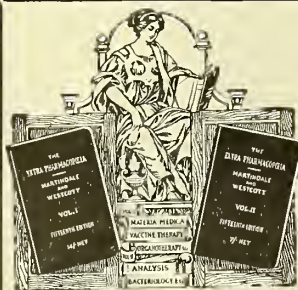
Losall's Salt.	} 6d.	3/6
The popular Remedy for Eczema, Gout, Rheumatism, and Biliousness. Well advertised.		

Losall's Com-pound Sulphur Soap.	} 1/-	8/-
A valuable emollient medicated Skin Soap, especially for use in Eczema cases.		

Losall's BALL-ROOM Floor Polish.	} 1/-	7/-
Produces a smooth surface beneath the dancers' feet. No dust.		

Malted Food.	}	4/6
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" " (large)	2/9	2/1
Aspad for Vet. use	2/6	1/9
Aspad " " (¾ gal.)	6/-	4/6
Aspad " " (½ gal.)	10/6	8/6
Aspad " " (1 gal.)	20/-	16/-

Special Quantities. Special Quotations.

THE KYHO PROPRIETARY, Ltd., 17 Victoria St., London, S.W.

DIAMOND MILLS PAPER CO.
 44 MURRAY STREET, NEW YORK, U.S.A.

BROMO

TOILET PAPER

This well-known brand has been made and sold by us for over 40 years. We hereby call to the attention of our old or prospective customers that the GENUINE article is made ONLY by us, and our name will be found thereon as below.

DIAMOND MILLS PAPER CO.
 44 MURRAY STREET, NEW YORK, U.S.A.

OVER 100% PROFIT:
ENSURED & PROTECTED (P.A.T.A.)
 for sellers of

Laurence's Hair Dyes

One solution, nine shades.

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

Size.	Minimum retail.	Minimum wholesale.	
1/-	1/-	7/6	} per doz. less 5% discount
1/6	1/6	9/-	
2/6	2/3	15/-	
3/6	3/3	21/-	

SPECIAL BONUS.

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).

Do. 6 doz. do. 8 bottles gratis.

Do. 12 doz. do. 18 bottles gratis.

Equivalent in the case of the size in most general demand, viz. 1/6 size to 4/6, 12/- and 27/- respectively.

SOLE PROPRIETORS—

C. R. HARKER, STAGG & MORGAN,
 LTD.

DEVON WHARF,

Emmott Street, Mile End, London, E.

PAROUBEK'S

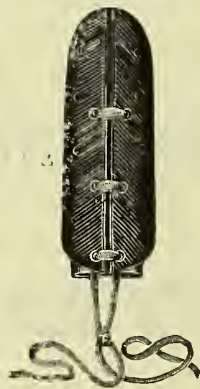
"FOLDO"

LACING

FINGER STALLS

(BLACK OR TAN)

3/9 PER DOZEN.

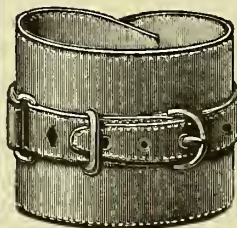


PAROUBEK'S
"TRIUMPH"
WRIST STRAPS
 (Felt lined). 3/9 per doz.

BOTH THE BEST.

Of all Wholesale Houses.
 Sole Consignees for Great Britain
 and Colonies:

SOLPORT BROS.
 184-190 GOSWELL RD.,
 LONDON, E.C.



JACKSON'S "PARIS" HAT DYES

FOR CHIP, TAGAL and YEDDA HATS.

NON-INFLAMMABLE.

¶ Each bottle is packed in a cardboard box with suitable brush. ¶ Made in thirty of the latest and most fashionable shades, **the finest range ever offered.** ¶ A Folding Hinged Showcard 13×10 with 30 specimens of dyed plait, supplied with all orders, counter bills, etc. ¶ These Dyes dry at once without gloss, are rainproof and will not chip or crack. Finest quality, best packing.



MAKERS OF HAT POLISH TO THE LUTON HAT TRADE FOR 50 YEARS.

SHADES.

- | | | |
|-----------------|-----------------|----------------|
| 1. Burnt Straw | 11. Muscatel | 21. Sky Blue |
| 2. Fraize | 12. Silver Grey | 22. Saxe Blue |
| 3. Putty | 13. Mole | 23. Corn Blue |
| 4. String | 14. Amethyst | 24. Royal Blue |
| 5. Stone | 15. Reseda | 25. Navy Blue |
| 6. Hay | 16. Wine | 26. Maize |
| 7. Cerise | 17. Myrtle | 27. Cinnamon |
| 8. Lavender | 18. Olive | 28. Tabac |
| 9. New Violet | 19. Cardinal | 29. Peacock |
| 10. New Purple. | 20. Claret | 30. Black |

Price 4/- per dozen. F.O.B. London or Liverpool.

T. S. JACKSON & SONS,
Corner Wharf, Malt Street, Old Kent Road, LONDON, S.E.

ESTABLISHED 1853.

PROPRIETORS OF JACKSON'S WELL-KNOWN
"WAX FLOOR POLISH" and "VARNISH STAINS."



WHOLESALE AND EXPORT ONLY.

Also through the Wholesale Houses.

Write for Price List and Tint Cards.

TO USERS and DEALERS in METH. SPIRIT and SPIRIT OF WINE.
FOR QUOTATIONS apply to—

PRESTON'S LIVERPOOL DISTILLERY CO., LD

The Largest Makers in the Kingdom.

BANKHALL DISTILLERY, SANDHILLS, LIVERPOOL. Office; 4 India B'ngs, Water St., Liverpool.

PAPER HANDKES

50-1s. "TOINOCO SILKY FIBRE." | "TOINOCO PAPIER CREPON." 50-7½d.

Our New Trade-compelling Showcard with 1 doz.

P.A.T.A. FACE PRICE.

■ A NEW AND POPULAR LINE FOR WINTER TRADE, REGULARLY ADVERTISED.

At all Wholesale Houses, or J. T. POWELL & CO., 93 & 94 Hatton Garden, LONDON, E.C., and at BRISTOL.

CORRUGATED PAPER PACKINGS

OF EVERY DESCRIPTION.


Made by British Capital, employing British Labour, at a British Paper Mill. The whole organisation, from pulp to finished article, under one control, thus ensuring PROMPT DELIVERY, LOWEST PRICES, and SPECIAL FACILITIES for making to individual customer's requirements.


GOODS FOR COLONIAL MARKETS, WHEN PACKED WITH OUR PRODUCTION, CAN BE INVOICED AS "BRITISH THROUGHOUT."


Before deciding on the final make-up of your New Lines please consult us, it will pay you. We have on our Staff a Salesman specially trained in the use of this class of material, and he will be pleased to advise buyers as to the respective merits of English, American, and German methods of using Corrugated.

ILLUSTRATED CATALOGUE SENT FREE ON APPLICATION.

GEO. C. BRIGHTLING & CO., LTD., 63 QUEEN VICTORIA STREET, LONDON, E.C.

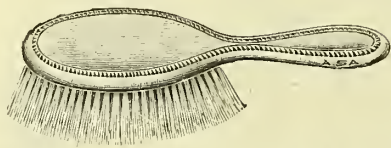






Britain's only
Hygienic Hair
Brush.

BRITISH MANUFACTURE.



Encased throughout with untarnishable Aluminium. Will absolutely prevent dandruff. Materials dressed in London under approved sanitary conditions. To be obtained from wholesale houses, or particulars from the manufacturers:—
"SILWYR," 11 FORE ST., LONDON, E.C.

Turner's Brushes

are the goods that enable Pharmacists to meet Store competition, and keep on selling. For window display in February they recommend **NAIL BRUSHES**, and have a new line made by a patent process that will command attention and give satisfaction.

Send for Price List and Samples to:—

TURNER, SON & CO., LTD.
 Brush Manufacturers,
 49 Tabernacle Street, LONDON, E.C.

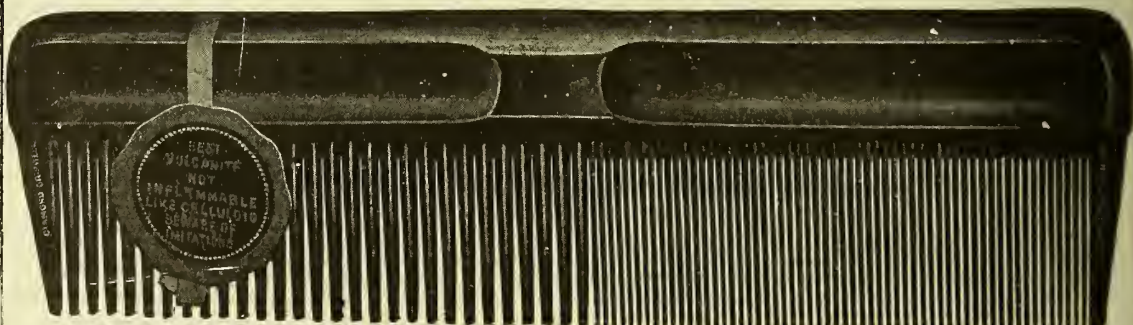
SENT ON APPROVAL—COMBS AND

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R. Hughes & Son 9 CLIFTON ST.,
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 Telephone: Central 9834.

Traun's "DIAMOND" Gripwell Comb

PATENT, DESIGN REGD.



Actual size, $8\frac{1}{2}'' \times 2\frac{3}{8}''$.

RETAIL PRICE **3/6** EACH.

Made in Dressing Comb and Rake.

Specially designed to make the use of the Comb a **Perfect Luxury and Comfort**. All teeth carefully grained and highly polished. Made of **Finest Para Vulcanite**, which does not split like Horn, but is **Elastic, Strong and Springy**, and is the **Ideal Material for Combs**.

Manufactured by the Makers of the
CELEBRATED GRIPWELL COMBS,
 which are supplied in a variety of shapes and sizes
TO RETAIL FROM 1/- UPWARDS.
 STYLISH SHOWCARDS SUPPLIED.
SOLD BY ALL THE USUAL WHOLESALERS.

GUARANTEED UNBREAKABLE.



J. C. & J. FIELD, L^{TD.}, TOILET SOAP EXPERTS, LONDON, S.E.

Direct the attention of CHEMISTS and DRUGGISTS to their

"SPERMACETI" TOILET SOAP.

Prepared with Cetaceum Alb. Pur. (B.P.)

An Excellent White Skin Soap.

Selling at 4d. per Tablet.



Advertised in the Popular Journals.

Shows an Excellent Profit.

Protected Prices.

There is also a "Free Sample" Scheme in connection.

Manufacturers of "MIGNONETTE," "LILY CREAM," "SAVON aux FLEURS," and other Brands of TOILET SOAPS, showing TRADE PROFITS of from 28% to 40%

We make a speciality of the preparation of CHEMISTS' PROPRIETARY LINES, and cordially invite applications for SAMPLES and PRICES. New List now ready.

Telegrams: "Ozokerit, Lamb, London."

Estd. 1642.

Telephone : 3905 Hop.

STIPENDUM CORK STOPPERS

in
all sizes
suitable for
KALIS, CITRATES,
DISPENSING, and all
FLUIDS.

STIPENDUM COVERED POTS

THE BEST FOR FACE AND TOOTH POWDERS,
PASTES, AND OINTMENTS.
GREASE PROOF.

For Samples & particulars apply to
The
Stipendum Stopper Co.
1 Newman Street,
LONDON, W.
Tel. No. 3769
GERRARD.

'SEMREH'

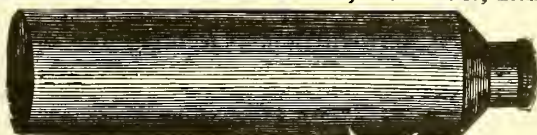
THE LAST WORD
in Bottle Cappings. Air-tight, spirit-
proof, easy to put on, self-fitting: the
bottle's contents hermetically sealed.

Use 'SEMREH' HALF-CAPS for PERFUMERY
Full particulars on request.
The VISCOSE DEVELOPMENT CO.,
Ltd.,
Pembroke Road,
BROMLEY, KENT.

SELF-FIXING BOTTLECAPS



BROOKS, PEEL & CO.,
Makers of Collapsible Tubes and Filling Machines for same. Patented
Sprinkler and other Stoppers for Perfumes, Washes, &c. Screw Caps.
409 BARTHOLOMEW ROAD, LONDON, N.W.



Tel. Address: "Pillischer London."

Established 1843.

Telephone: 4418 Gerrard.

J. PILLISCHER, 88 NEW BOND STREET,
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MANUFACTURER OF SCIENTIFIC INSTRUMENTS AND
SOLE MANUFACTURER OF THE CELEBRATED
"INALTERABLE" CLINICAL THERMOMETER.

RECENT EXHIBITIONS: 12 GOLD MEDALS—14 GRANDS PRIX.
GAND, 1913, GRAND PRIX; GAND, 1913, HORS CONCOURS.
(French Section) (British Section)

The PUBLIC DEMAND

ADVERTISED SPECIALITIES—LET US ADVERTISE YOURS.

WRITE FOR ORIGINAL IDEAS AND ILLUSTRATIONS FOR ADVERTISEMENTS THAT PAY.

HARVEY BROS.' ADVERTISING AGENCY, 171 QUEEN VICTORIA ST., LONDON, E.C.

The Season approaches for **EGG PRESERVING**

The "Farringdon" brand of
WATER GLASS
has attained a high reputation

PRICES ON APPLICATION.

Sole Proprietors:—

BARCLAY & SONS, Ltd., 95 Farringdon St., London, E.C.

WELCH'S *Non-Alcoholic* **COMMUNION WINES.**

Adopted by a great number
of Churches & Chapels. Used
by the Rev. Chas. Spurgeon and
other notable ministers.

In Bottles to retail at 2/- and 1/6.

WELCH'S

NON-ALCOHOLIC

INVALID WINE

or concentrated Grape Juice, is the very
cream of the most luscious grapes grown.
Retail in PINT BOTTLES, 2/6

Welch Grape Juice Co., Ltd., 61 FARRINGTON ST.,
LONDON, E.C. (Desk C).

NO LICENCE REQUIRED.

VITTEL GRANDE SOURCE

AWARDED GOLD MEDAL, INTERNATIONAL
CONGRESS OF MEDICINE, London, August 1913.

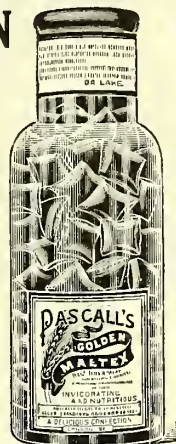
Over 11,000,000 bottles sold yearly, proving the popu-
larity and beneficial effects of this peer of agreeable
medicinal table waters. Indispensable to sufferers
from gout, rheumatism, kidney, and liver troubles.

CAN BE TAKEN ADVANTAGEOUSLY WITH ALL WINES AND SPIRITS.

From all hotels, chemists, and stores.
E. DEL MAR, 12 Mark Lane, E.C.

PASCALL'S GOLDEN MALTEX

Contains
25%
Pure
Malt
Extract



of
especial
food value
for
Children.

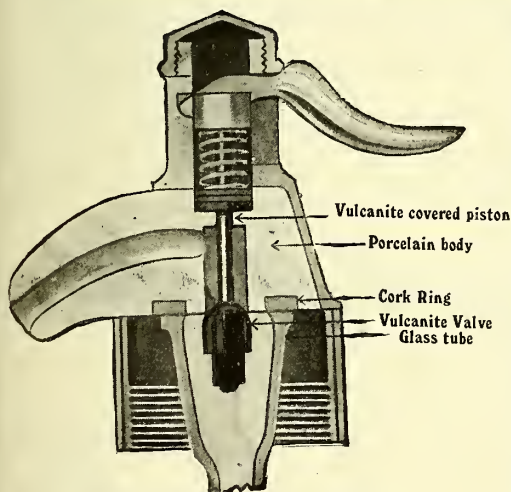
6d. & 1/-
BOTTLES.

4 OZS. 3d.

¶ Pascall's Golden Maltex is admirably
suited for sale by Chemists, owing to
its nutritive and restorative qualities.

¶ Order through your Wholesale Drug-
gist, or direct from the manufacturers,

JAS. PASCALL, Ltd., LONDON, S.E.



TESTIMONY OF USERS:

**"The most Perfect Hygienic
Syphon on the Market."**

If you contemplate filling your own Syphons
apply here for up-to-date Electrical Plant.

**SHARMAN'S PATENT
SYPHON CO. LTD.**

171 LOWER CLAPTON ROAD, N.E.

Gold Medal awarded, Odessa Exhibition, 1910

SYPHON SATISFACTION

secured by using
Sharman's (patent)
Hygienic Syphon.

Chemists are now becoming alert to the
disadvantages of the ordinary Syphon.
The usual heads are made of Tin, Lead,
Antimony or Aluminium Alloys which
dissolve in CO₂; therefore the water
cannot be pure and its use may be
attended with most serious results.

The head of Sharman's Hygienic
Syphon is of solid porcelain and the
valve and piston are covered with
vulcanite.

BEWARE of infringement of
Sharman's Patent Syphons.
Makers and users are equally liable
and will be promptly proceeded
against.





SCOTT'S EMULSION

**PROTECTED PROFIT. QUICK
SALES—NO BAD STOCK.
REPEAT ORDERS AND
SATISFIED CUSTOMERS**

Never was SCOTT'S Emulsion more widely advertised than at the present moment. The opportunity, to secure a fair share of the season's demand for this preparation, is one that few enterprising pharmacists can afford to neglect.

SCOTT & BOWNE, Ltd., 10-11, Stonecutter St.,
LONDON, E.C.

Why it pays to sell SCOTT'S.

SCOTT'S Emulsion reflects credit on the seller and gives satisfaction to the buyer.

It bears a good protected profit, yet is advertised all over the United Kingdom.

It is the only emulsion with a 37 years' reputation for value and quality.

It sells quickly on sight—involving little trouble and no losses.

It is one of the few advertised products, costly to manufacture, that yields fair remuneration to the retailer.

Therefore, to sell SCOTT'S not only pays, but encourages the principles of fair trade and good protected profits.

Expurgo Anti-Diabetes

The only reliable and thoroughly satisfactory Remedy for Diabetes-Mellitus which has a record of complete cures.

REPORT FROM A PROMINENT PHYSICIAN.

I am satisfied your preparation has cured several of my patients. Expurgo Anti-Diabetes is particularly effective in combating and neutralising the diabetic poisons and in completely eliminating the sugar excretion characteristic of this disease.

The Medical Faculty is also recommended to try Expurgo—a particularly valuable preparation in the treatment of Gall Stones, Kidney and Bladder Stones and Gravel.

Expurgo Anti-Diabetes, per bottle 8/-. less 25%
Expurgo Lapis - per bottle 6/-. less 25%

Carriage paid on orders of 1 dozen.

THE EXPURGO MANUFACTURING CO.,
815 North Clark Street, CHICAGO; and at WINNIPEG, CANADA.
Distributing Agents: **Rocke, Tomsitt & Co.,**
4 Redcross Street, London, E.C.

The Quick-Selling Cough Remedy

Pinex

**Unsold Bottles
are returnable
at any time.**

TERMS—Advertised Price 2/9 per bottle. Minimum P.A.T.A.
Retail Price, 2/6 per bottle. Price to you, 24/- per doz.

THE PINEX CO., LTD.,
36-38 UPPER THAMES ST., LONDON, E.C.
Telegrams: "Pinexine, Cent, London." Telephone: 2208 City.



HAYWARD'S

Eureka

WEED KILLER

"EUREKATINE" FUMIGANT.
INSECTICIDES. LAWN SAND. WORM KILLER
AND ALL GARDEN CHEMICALS.

EASIEST TO SELL. STRONGEST & SAFEST PACKING.
 PROTECTED PRICES. SALES THROUGH AGENTS.

Please write for Advertising Particulars, Window Displays, &c.

TOMLINSON & HAYWARD, LTD. LINCOLN.

ELASTIC GUM SURGICAL INSTRUMENTS.



Catheters and Bougies, in Black or Brown Gum, and Finest Silk Web. Specula, Rectal and Oesophageal Instruments.
 Horse Catheters and Cattle Probangs. Wholesale and Export only. Price List from the Manufacturers.

MASON BROS. & CHAPMAN, 107 Whitecross St., LONDON. E.C.

L. MILLAR & CO., LTD., DUBLIN

PURE ORANGE WINE

JA. AURANTII, B.P.

Prepared in strict accordance with the Formula of the British Pharmacopoeia
 London Agent: **JAMES STIRTON, 43 GREAT TOWER STREET, E.C.**

(Wholesale only)

This is the famous
"SSS" DENTAL CHAIR
 designed expressly for Chemists doing a Dental business.
 See page 521 in 1913
 "C. & D." Diary,
 or write
 for list to
Cloughton's
 Leeds, Ltd.,
 5 Quebec Street, Leeds.

SAL HEPATICA

PUT UP FOR EXPORT.

Small size, 3 oz. bottle, in case.
 Medium " 7 " " "
 Large " 16 " " "

OBTAINABLE IN LONDON FROM

Thos. Christy & Co., 4-13 Old Swan Lane,
 Upper Thames Street, E.C.

The American Drug Stores, 24 Orange Street,
 Haymarket, London, W.C.

Burgoyne, Burdicks & Co., 16 Coleman Street,
 E.C.

F. Newbery & Sons, Ltd., 27 Charterhouse
 Square, E.C.

Roberts & Co., 76 New Bond Street, W.



The Standard of Excellence.

Paraffin. Liquidum

(PAR. LIQ., B.P.)

Water White and White Paraffin Liq. Oils.
Spec. Grav. 0.860-0.885/90.
Answering all the requirements of the Pharmacopoeia.
Free of taste, smell, colour, and Sulphur.

The Highest Standard of Excellence.

Petroleum Jellies

(PAR. MOLLE ALB. & FLAV.)

Finest Pharmaceutical and Technical grades, high and ordinary melting-points.

The **WHOLESALE ONLY FROM—**

Stern Sonneborn Oil Co., Ltd.,

Royal London House, Finsbury Sq., London, E.C.

Telegraphic Address :
"Centumvir London."

Telephone Nos. :
3797, 3798 & 3799 London Wall.

BEFORE PLACING YOUR ORDERS

for any of the undermentioned lines, APPLY for PRICES, &c., to the **LARGEST PACKERS** in the **TRADE** and

SAVE MONEY!

"Vaseline"

Camphor Ice

Lanoline

Cold Cream

Cocoa Nut Oil

Lip Salve

Eucalyptus Oil

Balsam of Aniseed

Lung Syrup

Household

Embrocation

Camphorated Oil

Anti-Catarrh Salts

Malt and Oil

Primrose Tablets

Brompton Lozenges

Pine Tree Lozenges

Licorice Juice

("Alcazar" Brand)
in Sticks 4's, 5's, 8's,
and 16's to the lb.

Menthol Snuff

Menthol & Eucalyptus
Snuff

Tube Coods of all kinds,
including—

Toilet Creams.

Jellies, Tooth Pastes,

Chillie Paste,

Camphor Cream, &c.

Brilliantine

Lime Cream

Toilet Paraffin

Tooth Powder, &c.

TABLETS & PILLS.

We are now in a position to save you money on these also.

SHIRLEY BROTHERS, LIMITED,

Whitecross Works, Rockingham St., LONDON, S.E.

TIDMAN'S SEA SALT.

ON P.A.T.A. LIST. INCREASED PROFITS TO ALL WHO KEEP IT IN STOCK.

Orders of Twenty Shillings value and upwards Carriage Paid—
Cases Free, less 2½ % Discount for Cash.

Advertised Price.	Minimum Retail Price.	Minimum Wholesale Price.
1d. Packets 1/- ...	12in box 11d. ...	8/6
2d. " 2/- ...	" 1/10 ...	16/9
1d. linen Bags 1/- ...	" 11d. ...	8/6
2d. " " 1/- ...	6 in box 11d. ...	16/9
Boxes, about 1½lb. 4d. ...	3d. ...	2/10 pr. doz.
" " 3½ 8d. ...	7d. ...	5/8
" " 7 1/2 ...	1/- ...	10/-
" " 14 2/- ...	1/10 ! ...	18/3

SINGLE BAGS of following 3 sizes sent **CARRIAGE PAID** to any place in the United Kingdom, so that there is no Stock to hold.

Advertised Price.	Minimum Retail Price.	Minimum Wholesale Price.
28-lb. Bags (or Boxes) 3/- each ...	3/- ...	2/6 each
½-cwt. Bags 5/6 " ...	5/6 ...	4/7
1-cwt. Bags 10/- " ...	10/- ...	8/4

The following are also sent, carriage paid, cases free, to any place in the United Kingdom, for net cash: 4-7 lbs. Boxes, 3/6 the lot; 6-7 lbs. Boxes and upwards at 10/- per dozen (list price).
Orders for assorted sizes to the value of 7/6 and upwards.

TIDMAN'S SEA SOAP, beautifully perfumed.

Advertised Price.	Minimum Retail Price.	Minimum Wholesale Price.
Box of 3 large Tabs. 1/- each ...	10½d. ...	7/6 per doz. boxes.
" 6 small Tabs. 6d. " ...	5d. ...	3/9
Bars about ½lb. 5d. " ...	4d. ...	3/- per doz. bars.
" " 1-lb. 10d. " ...	8d. ...	6/-

Accounts Monthly Net due 10th of following month. Terms for Seidlitz Powders, Pinnacle Soap Stands, Toilet Soaps, &c., sent on application.

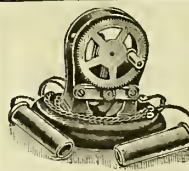
TIDMAN & SON, Ltd., Wapping, London, E.

DIRECT IMPORT FROM JAPAN

WE SELL TO ARRIVE.

HAIR, NAIL AND TOOTH BRUSHES.
ALSO ALL KINDS OF ANTIMONY
METAL BOXES SUITABLE FOR JEWEL
CASES AND FOR TOILET PURPOSES.

H. D. HARDIE & CO., 176 Ingram Street, GLASGOW.



THE
"INVIGORATOR" MAGNET

To sell at 3/6 is only one of the many hundred Electrical Novelties listed in our
NEW 32 pp. Section "N" LIST
WRITE FOR YOUR COPY TO-DAY.

ARCHIBALD J. WRIGHT, L
MANUFACTURING ELECTRICIANS,
41 Beech St., Barbican, LONDON, E.

1/- Box
Net.
Trade
9/- doz.

DENTABS

Tooth
and
Mouth
Wash.

THE BRITISH MEDICAL TOILET CO., LTD.
33 CHANCERY LANE, LONDON, W.C.

TEXTURÆ ANTIQUÆ, 12—SUMERIAN

'ABLOID' BRAND PLEATED COMPRESSED SANITARY TOWELS

(TRADE MARK)

Ladies like these tiny, unobtrusive products. Given prominence in the window and the counter-case they will sell themselves.

Four sizes issued, in cartons of 1 dozen towels—No. 1, 10/0; No. 2, 24/0; No. 3, 27/0 and No. 4, 30/0 per dozen cartons, subject

'ABLOID' BRAND ADJUSTABLE HEAD DRESSING

(TRADE MARK)

Compressed (Regd. Design)

This device makes head-bandaging one of the easiest instead of the most difficult of operations.

It sells readily to medical clients, nurses, and all who are interested in first-aid. Demonstrations effect sales.

Two sizes, the larger for use in major operations

Prices, 10/0 and 12/0 per dozen respectively, subject

A pad of Double Cyanide Gauze and a safety-pin with each dressing

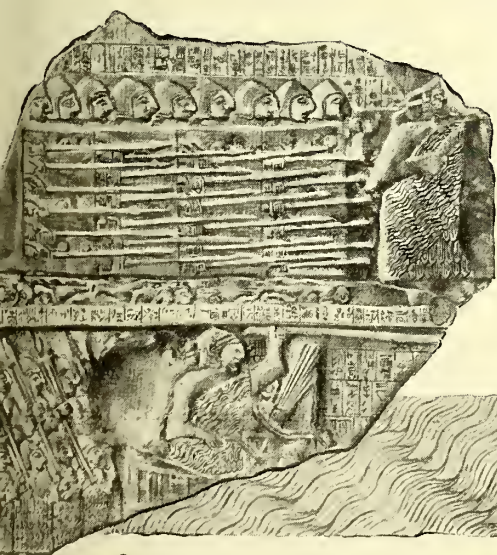
'APOROLE' BRAND IODINE TINCTURE (3 per cent. Weight in Vol.)

(TRADE MARK)

The ideal first-aid antiseptic. The most effectual means of keeping Iodine Tincture in a permanently fresh and non-irritant condition.

It should be introduced to medical clients, nurses, first-aid workers, amateur gardeners, etc.

Two sizes:—Min. 20, in boxes of 6, 18/0 per dozen boxes; 1/2 fl. oz., each in a protective tube of wood, 8/0 per dozen, subject



BURROUGHS WELLCOME & CO. LONDON



NEW YORK MONTREAL SYDNEY CAPE TOWN
MILAN SHANGHAI BUENOS AIRES BOMBAY

London Exhibition Room: 54, WIGMORE STREET, W.

All communications intended for the Head Office should be addressed to Snow Hill Buildings, London, E.C.

The Stele of Vultures, whereon a Sumerian Monarch of Lagash celebrated a great victory over the men of Umma, in which, according to the cuneiform inscription, he swept all before him, "like an evil storm." The dress of the King was made of the rough goat hair material to which the Greeks afterwards gave the name Kaunakes, and shows some advance on the single garment of the primitive Sumerians. Date, circa 2900 B.C.

"LUNGPINES"

1st SEASON. Read what your confreres say about them:

Please repeat last order for 28 lb. "LUNGPINES." There will be a repeat order before Xmas.

GOSFORTH, Nov. 1913.

Signed _____

NEWCASTLE, Nov. 1913.

"LUNGPINES" given great satisfaction.

Signed _____

PORTOBELLO, Oct. 1913.

"LUNGPINES" are moving well, and hope to repeat shortly.

Signed _____

We have many more similar to the above from Pharmacists in various parts of the Kingdom.

Do You Stock "Lungpines"?

SELLING LIKE HOT CAKES.

Retail **2d.** per oz., 2 ozs. for **3½d.**

BEATING ALL RECORDS.

Wholesale **1/-** per lb., subject.

Also packed in 6d. tins, 4/3 per dozen.

Manufactured by

CUPAL LTD., BLACKBURN.

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EXPORTS STILL INCREASING.

body is doing well in export business; are you in it? Board of Trade figures for January 1914 show an increase in the export of drugs and medicinal preparations of

£11,178 IN VALUE

the corresponding month last year. There is no evidence of a reaction, and all manufacturers and wholesalers of these commodities should be having a share. The sure way to secure and to keep foreign business is to focus the efforts of the Merchant Shipper on your brands. This can do to the best advantage in the

EXPORT MERCHANT SHIPPERS' ISSUE

of
THE CHEMIST AND DRUGGIST,
in course of preparation. The publication date is
14, and all particulars as to advertising space are
able from the Publisher at 42 Cannon Street, London,

SUMMARY.

Subscribers are advised to read this column first.

Articles and Communications.

This week's Minor Botany subject is *Colchicum autumnale* and the monocotyledons generally (p. 34).

"A Single Post" is an effective demonstration of the utility of our Coloured Supplement (p. 45).

Risks to pharmacy under the National Insurance Act justify a series of comments. This week we advocate attention to the art of pharmacy (p. 48).

Our first stock of Wootton's "Chronicles" is exhausted. We expect a second supply from our binders in a few days. The volumes are giving much satisfaction (p. 50 and p. 67).

The contents of our Winter Issue continue to excite comment. See p. 65 for observations on old mortars and mementoes, and p. 66 for further observations on problems for 1914.

Export business in chemicals and medicines was good in January. We summarise the month's business in an article on p. 49. Mr. John Burns is succeeding Mr. Sydney Buxton as President of the Board of Trade.

Insurance dispensing topics include the text of the Scottish Commissioners' Memorandum as to the duties of Pharmaceutical Committees, informative to all panel chemists in Great Britain (p. 53); a statement by Mr. Lloyd George as to how doctors have benefited by the Act (p. 54); and letters from correspondents on such topics as rural arcas, dispensing, and free choice of chemist (pp. 64-65).

News of the Week.

Mr. Glyn-Jones has got a place in Parliament for the Assistant-Pharmacists Bill (p. 35).

Notes on essential oils as they occur on the Australian market indicate that some are sophisticated (p. 39).

Mr. C. W. White was presented with an address on landing at Bombay to resume his travels in India (p. 39).

Belladonna has been experimentally cultivated in India with success. An analysis of the root obtained is given on p. 39.

W. Purton, Bromley, Kent, is again sending postcard orders to provincial chemists. See the warning note on p. 60.

A chemist's porter may be a shop-assistant under the Shops Act. See the case reported on p. 40, in which a registered chemist was the defendant.

Parliament reassembled on Tuesday. Our representative at St. Stephen's gives information about the Patent-medicine Inquiry and other topics (p. 35).

A successful Exhibition in connection with the Scottish Nursing Conference has been held in Glasgow. Many pharmaceutical houses participated (p. 52).

The Council of the Pharmaceutical Society of Ireland has taken the first step to get the day of meeting changed from the first Wednesday of the month to the second Tuesday (p. 46).

Several Sale of Food and Drugs Acts cases are reported on p. 40, including a decision that the sale of flour "improved" with potassium persulphate is not to the prejudice of the customer (p. 40).

Increased difficulties are being placed by English magistrates in the way of chemists who desire to sell wines that are medicated (p. 59). It is rumoured that Mr. W. S. Glyn-Jones is preparing a Bill to give effect to his proposal that a special licence authorising such sales should be created, but his place is occupied by the Assistant-Pharmacists Bill.

Trade and Market Matters.

A new Indian hemp order makes the price prohibitive. See the Market report.

A concise review of conditions prevailing in the carnauba-wax market in Hamburg are given on p. 63.

The bulk of price-changes are on the easier side, and include reductions in lemon, bergamot, orange, star anise, and Bourbon geranium oils, new cod-liver oil, ergot, petroleum, glucose, carnauba wax, shellac, and turpentine. On the other hand, copper sulphate, H.G.H. peppermint oil, Sudan acacia, cocoa-butter, cevadilla, cassia oil (c.i.f.), and cadmium salts are on a higher level (p. 61).

Minor Botany.

Being the seventh of a series of articles for pharmacy students which commenced on January 3, 1914.

THE Angiosperms, or plants with seeds contained in closed cavities (ovaries), are divided into two classes according to whether the tiny germ (embryo) by which the plant is represented in the seed has one (Monocotyledon) or two (Dicotyledon) seed-leaves (cotyledons). Although this is the primary distinction, in practice it is very rarely used. The leaves of Monocotyledons almost



COLCHICUM AUTUMNALE, L.

always have elongated parallel veins (*i.e.*, more or less grass-like), those of Dicotyledons being net-veined. Again, when the stem of a Monocotyledon is cut transversely the water-conducting tissues (vascular bundles) are isolated and present a scattered appearance, while in Dicotyledons the usual arrangement is in a single ring becoming continuous by secondary growth. This absence of secondary thickening causes most Monocotyledons to be herbaceous, only a few, such as the palms, attaining the size of shrubs or trees. Lastly, the flowers of Monocotyledons generally have their parts (sepals, petals, stamens, and carpels) arranged in threes (trimerous), while in Dicotyledons an arrangement in fours or fives (tetramerous or pentamerous) is much more usual. The meadow saffron (*Colchicum autumnale*, Linné, N.O. *Liliaceae*), so called because it grows abundantly in moist meadows and flowers in autumn, illustrates these points well. The short thickened underground stem (known as a corm),

packed with starchy reserve food-material, shows a scattered arrangement of the bundles. From its base are given off numerous fibrous roots, another feature more often found in Monocotyledons than in Dicotyledons. The full-sized corm is bluntly conical in shape and flattened on one side, and the brown coat which invests it is the remains of the leaves of its predecessor. From the flattened side of the corm two to six pale-purple flowers are developed in autumn. These have a long tubular perianth (this being the term used when the petals and sepals are united), and of the six segments the three inner ones correspond to the petals. Six stamens are inserted upon the mouth of the tube (epiphyllous, *epi*=upon), and at its base is an ovary marked with three longitudinal channels and surmounted by three long filamentous styles both indicating the three divisions of the trilobular ovary (*tri*=three, *loculus*=little place). The tube of the flower which is four to five inches long, two-thirds of its length being underground, arises below the ovary, so that the latter is superior. This is an important point, as it distinguishes the *Liliaceae* from the *Amaryllidaceae* (narcissus family), in which the perianth develops above the (inferior) ovary. Floral formulæ are useful to memorise the chief characteristics of natural orders: that for the *Liliaceae* is $[P (3+3), A 3+3] (3)$. P=Perianth, A=Androeium or stamens, G=Gynæcium or carpels. The brackets indicate parts united and the position of the line the superior ovary. In the meadow saffron the fairly numerous leaves develop soon after the flower, appearing to spring from the ground (radical). They are erect, and attain in the spring a length of about five inches, being about one inch wide at the base. The ripening ovary is raised to the surface by elongation of its stalk, and by the time the leaves have withered in summer the capsule splits into three compartments shedding its numerous seeds. Meanwhile during the latter part of the summer a new corm (and perhaps one or more smaller corms) has been developed at the side of the old corm, the latter perishing as it becomes exhausted. This method of propagation from year to year by means of underground stems is a common process with Monocotyledons. It enables them to survive intense drought and cold, and flower rapidly at favourable periods. Most of our spring-flowering plants are bulbous Monocotyledons, and the rapid blossoming of apparently arid deserts soon after a rainfall is due mainly to such types of plants. The true saffron (*Crocus sativus*) belongs to the *Iridaceae*.

BUSINESS CHANGES.

Authenticated information for this section will be received by the Editor, and published, if not in the nature of advertisement.

MESSRS. SHAND & ORR, chemists, are opening at 301 Regent Road, Salford.

MR. T. RUSSELL, pharmacist, 73 Bradshawgate, Leigh, has opened a branch pharmacy at 2 and 4 Firs Lane, Leigh.

MR. A. G. TURNER, chemist, has purchased the business of Messrs. Raynes, Ltd., at 22 Brigstock Road, Thornton Heath.

MR. HAROLD BARTON, chemist, 111 Lord Street, Southampton, has bought the business of Messrs. Oates, chemists, 57 Manchester Road, which he is now running as a branch.

THE PRODUCE BROKERS' CO., LTD., have removed to more commodious offices on the first floor of the Baltic, Exchange Chambers, 24-28 St. Mary Axe, London, E.C.

MESSRS. EVANS & CO., chemists, 13 Turnham Green Terrace, Bedford Park, London, W., have acquired the business lately carried on by Mr. R. Jubb at 150 Devonshire Road, Chiswick, W.

THE PARTNERSHIP between Alfred Harrison and Thomas Waide, trading as Harrison & Waide, Alexandra Printing-works, Leeds, has been dissolved as and from December 31, 1913. Mr. Thomas Waide will carry on the business under the style of Thomas Waide & Sons at the same address. Mr. Alfred Harrison will carry on a printing business at 8 Park Place, Leeds, in partnership with his sons as Alf. Harrison & Sons.

WESTMINSTER WISDOM.

The Week in Parliament.

THE OPENING OF PARLIAMENT.

Parliament was opened on Tuesday, February 10, under circumstances of exceptional interest and importance, by King, who was accompanied by the Queen. The debate on the Address was at once proceeded with, and not in all probability be concluded until the end of week.

ASSISTANTS FOR PHARMACISTS BILL.

Mr. W. S. Glynn-Jones, M.P., secured on Thursday, February 12, the sixteenth place in the ballot for private members' Bills; he will utilise this by introducing the Bill promoted by the Council of the Pharmaceutical Society of Great Britain for granting certificates to assist pharmacists enabling them to dispense without a qualified supervision (*see C. & D.*, June 7, 1913, 9).

MR. MASTERMAN'S PROMOTION.

Mr. Masterman has been promoted to Cabinet rank as Secretary of the Duchy of Lancaster, but he will retain his position as Chairman of the National Health Insurance Committee, and, as such, will still be responsible, therefore, for all matters affecting the department of National Health Insurance in the House of Commons.

RAILWAY RATES.

A communication which has been issued this week by the Commercial Parliamentary Committee at the House of Commons expresses the belief that it is possible to bring such pressure to bear that the Board of Trade may be empowered to alter, regulate, and determine the rates of goods and passenger traffic in order to give effect to the will of the people as expressed in the House of Commons.

PATENT ACT AMENDMENT.

The Commercial Parliamentary Committee at the House of Commons announces that interviews have been held with prominent men who have been affected by Lord Justice Parker's judgment, and that the draft of a Bill to amend the Patent Act of 1907 has been submitted to the Law Chambers of Commerce. Suggestions are still being invited from the commercial community as to the form which such legislation should take.

PATENT-MEDICINE COMMITTEE.

Our Parliamentary correspondent is informed that Sir Percy Norman, M.P., the Chairman of the Select Committee on Patent Medicines, has made considerable progress with the preparation of his draft report, but that little time is likely to elapse before it will be ready for circulation among the members of that body. Sir Percy has for some time past been engaged in connection with the report of another Committee with which he is closely identified, relating to wireless telegraphy, upon which subject he is an undoubted authority. The first step towards the conclusion of the Patent-medicine Inquiry will be the setting up of the Committee, and, although this is no doubt to be accomplished without delay, there is always inevitable delay before this and other similar Committees get to work.

WILLS PROVEN.

1. RICHARD HENRY GREENWELL, chemist and druggist, 10 Rose Terrace, Chester-le-Street, Durham, who died November 13, left estate valued at 119*l.* 9*s.* 4*d.* gross.

2. ROBERT STEPHENSON, chemist and druggist, 13 Cowper Street, Bradford, who died on January 3, left estate of the value of 3,503*l.* 17*s.* 2*d.*, of which 3,255*l.* 10*s.* 11*d.* is personalty.

3. THOMAS FARNSWORTH, Ph.C., Waingroves Hall, Ripley, Derbyshire, who died on December 6, left estate valued at 1,598*l.* gross, with net personalty 144*l.* 9*s.* 2*d.* of his will has been granted to his son, Mr. Percy Farnsworth, Haxey, Lincs, and his daughter, Miss Elizabeth Taylor Farnsworth, Waingroves Hall, Ripley.

ENGLISH AND WELSH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Brevities.

The Essex County Council on February 5 issued an order for chemists at Dagenham to close on Thursdays at 1 P.M.

The Hastings Town Council on February 6 made an order suspending the half-day closing for chemists and druggists from June 9 to September 15, and from December 1 to December 22.

An outbreak of fire was discovered on February 5 at the rear of Messrs. Hartley's drug-stores, Manchester Road, Nelson. The flames were extinguished before much damage was done.

The Public Control Committee of the London County Council report having granted a licence under Section 2 of the Poisons and Pharmacy Act, 1908, to Jeyes' Sanitary Compounds Co., Ltd., 64 Cannon Street, E.C.

A tube of radium, valued at 1,000*l.* was lost at the Royal Infirmary, Liverpool, one day last week. It was found in the dust-cart by Professor Wilberforce, who used an electroscope to detect its presence in the rubbish which was just being taken away.

The question of promoting a Bill in Parliament for registration of sight-testing opticians is being again considered by the Spectacle-makers' Company. Up to the present over six hundred replies favourable to the proposal have been received. A guarantee fund is being formed.

Two soldiers on the way to Shorncliffe Prison on February 7 broke away from their escort in Snargate Street, Dover, and demolished the largest window (8 ft. by 3 ft.) at the pharmacy of Messrs. Cartwright & Son, 104 Snargate Street, with clubbed rifles. Considerable damage was also done to the contents of the window.

At the Central Criminal Court on February 10 it was stated that William Grant Hendrie (65), chemist's assistant, who was committed for trial last December upon a charge of libelling Mr. Archer Mowbray Upton, solicitor, and Secretary to the Apothecaries' Society, was at present very ill and unable to attend the Court. Counsel for the prosecution said he understood that defendant was suffering from senile paralysis, and suggested that the case should stand over till the March Sessions. The Recorder: If he cannot take his trial now the case must be postponed, but the Court will require a medical certificate on the next occasion.

"British Empire" Manufactures.

The Duke of Argyll has consented to preside at a meeting which is to be held in London next month in support of the movement for the establishment of a mark of origin to denote goods manufactured or produced in the British Empire. The principal resolution will be moved by Mr. F. E. Smith, M.P.

Confectionery and Food Trades Board.

A Trade Board of forty-seven members has been appointed in Great Britain for those branches of trade which are specified in the Trade Boards (Sugar Confectionery and Food Preserving) Order, 1913 (that is to say, the making of sugar confectionery, cocoa, chocolate, jam, marmalade, preserved fruits, fruit and table jellies, meat-extracts, meat-essences, sauces and pickles; the preparation of meat, poultry, game, fish, vegetables, and fruit for sale in a preserved state in tins, pots, bottles and similar receptacles; the processes of wrapping, filling, packing and labelling in respect of articles so made or prepared), excluding the covering and filling of biscuits, wafers, and cakes with chocolate or sugar confectionery. Among the members representing employers and chosen by the Board of Trade are Mr. A. H. Dence (Brand & Co., Ltd.), South Lambeth Road, London, S.W., and Mr. S. W. Pascall (James Pascall, Ltd.), 100 Blackfriars Road, London, S.E. Mr. Ernest Avis, M.A., F.S.S., is Chairman of the Board, and Sir Lawrence Jones Deputy Chairman.

Post-graduate Lectures.

The second of the course of lectures on the "Applications of Electricity to Medical Purposes," which is being given by Mr. R. S. Wright, A.M.I.E.E., in the lecture-theatre of the Pharmaceutical Society at 17 Bloomsbury Square, London, W.C., was delivered on February 10. There was again a very good attendance, the President (Mr. Edmund White) and many London chemists being among the audience. The lecture was in the nature of an introduction to x-ray work, the practical working being left till the next lecture. Mr. Wright first dealt with the methods of obtaining the high-tension currents needed for x-ray work, and then devoted a good deal of time to the construction of induction coils. The different methods of winding the sections were explained and the advantages of multi-section windings. It is important that after impregnating secondary sections in melted insulating-wax the operation should be completed in a vacuum, so as to ensure the absence of air-holes, which are a source of possible danger. The various kinds of breaks were referred to *seriatim*. The original simple platinum break has been replaced by the more elaborate mercury and electrolytic breaks now that the source of the current is the main and not batteries or accumulators originally employed. The dielectric used on the surface of the mercury is paraffin, methylated spirit, coal-gas, or the vapour of acetone. The Mackenzie-Davis, the turbine, and the Sanax breaks were explained in detail.

Contracts.

Wandsworth Borough Council.—Kitsons Eureka Disinfectants Co., Ltd., and Adcocks, for annual supplies of disinfectants.

The Local Government Board has sanctioned a proposal of the Lambeth Guardians to enter into a contract with Messrs. W. Watson & Sons, Ltd., for the installation of an x-ray apparatus at their infirmary at an estimated cost of 207*l.* 16*s.* 6*d.*, without, in the first instance, advertising for sealed tenders.

Following the inauguration of the central drug-store at the Lambeth Infirmary, the Guardians have decided to effect considerable revision in the contract specification for drugs. The present contract is for six months only, but the Guardians have decided that it would be to their advantage to arrange future contracts for a period of twelve months.

The Runcorn Guardians have decided that in future all drugs shall be purchased by the Board for the workhouse hospital at Dutton, and that the dispensing is to be done by Dr. Selby, the medical officer. Dr. Selby qualified as a chemist and druggist. Mr. J. H. Weston, pharmacist, of Runcorn, has secured the first contract for the supply of drugs.

Masonic Notes.

W. Bro. Henry Allison, chemist-optician, has been installed W.M. of the Witham Lodge of Freemasons (No. 297) for the ensuing year. The Lodge is 121 years old.

Worshipful Brother Fred Bascombe, L.R., has been unanimously elected Treasurer of the Great Northern Lodge No. 1287. He is also the Acting Secretary of both the Galen and London Dorset Lodges and steward of the Lambeth Borough Council Lodge.

At a meeting of the Galen Lodge in Freemasons' Hall on Monday evening, February 9, Worshipful Brother H. Jenkin (Allen & Hanburys, Ltd.) made appropriate reference to the late Mr. J. B. S. Lancaster, a Past Master and Secretary of the Lodge (C. & D., January 10, p. 43). A vote of condolence with Mrs. Lancaster was passed.

Mr. J. Beltran Smith, of Messrs. Potter & Clarke, Ltd., was initiated a member of the Royal Leopold Lodge of Freemasons at the Criterion Restaurant on February 2. Among those who assisted at the ceremony were Mr. H. A. Potter, Ph.C. (Messrs. Potter & Clarke, Ltd.), Mr. W. Kelly (Messrs. W. J. Bush & Co., Ltd.), and Mr. W. Beckley (Chas. Zimmermann & Co.).

At the Masonic Hall, Bath, on February 5, Brother C. J. Tabor, M.B., M.R.C.S., was duly installed as W.M. of the Royal Cumberland Lodge, No. 41. The ceremony was performed by the I.P.M., W. Bro. A. C.

Olds, pharmacist, in the presence of a large gathering of brethren, including W. Bro. Preston King, M.P. (Mayor of Bath), and the following pharmacists: Es. J. W. Sampson, J. G. Hawes and F. R. Stent. Es. J. W. Sampson was appointed Junior Steward and W. Bro. Olds was invested with the "White" 1st Master's jewel.

Birmingham Notes.

Mr. William Izon, at Somerville Road Council School, Birmingham, on February 8, gave a lecture on "Impressions Gathered in Switzerland," before a large audience.

Among other charges of fraud brought against James Charles Foster, of Perry Barr, at the Birmingham Police Court, on February 4, was one of obtaining 4*l.* 14*s.* credit from Messrs. Hedges, Ltd. Mr. W. Shakespear, Ph.D., secretary of the company, gave evidence against the defendant. Accused was remanded on bail for eight days.

Sheffield Notes.

Messrs. Carter & Sons, wholesale druggists, late of Heeley Bank, have removed into the old Marriot's brewery premises at Lloyd's Mills, which they have converted into packing-rooms, where they are employing a very large staff of girls. They have inaugurated a service of motor side-cars for their representative staff.

The employment of women canvassers, calling from house to house with their various specialties, is fast becoming a nuisance. These now call, giving the name of some unknown firm, and show a great amount of energy in pushing their stocks, which consist of such goods as toilet-articles, safety razors, fancy soaps, etc. Some local chemists, who adopted this mode of advertising their goods, will feel sorry they connived at methods bordering on the verge of unfair competition.

Carbolic Acid for Carbolised Oil.

A coroner's inquiry was held at Richmond on February 7 into the death of James Brown (85), retired dairymaid, who died in consequence of carbolic acid being used as catheter oil instead of carbolised oil. M. L. Brown, deceased's daughter, deposed that her father used a catheter, and once a fortnight she bought a tin worth of carbolic oil (1 in 20) to lubricate it from Copper Stores, George Street, Richmond. It was supplied in a plain medicine-bottle. On January 17 she got some and noticed that it was clearer than usual and less in quantity. On taking off the cork she asked a friend if she thought it was carbolised oil, and she said, "Oh, yes; that's a right." When she used it her father complained of the great pain, which she attributed to a rupture, and she applied a little of the oil to soothe it. The pain became worse, and on the Thursday following she sent for the doctor, who discovered that a mistake had been made. David J. Wood, assistant at Copper's Stores, said he was not a registered chemist, and was employed to do the dispensing. He knew Miss Brown as an occasional customer, but did not remember having served her before. On January 17, although his recollection of that was not very clear. His wife was then in hospital, and he was worried. If Miss Brown asked for carbolised oil he must have unconsciously served her with carbolic acid in error, and also placed it in a plain bottle by mistake, because it was the practice at the shop to place it in poison-bottles. He now fully realised the seriousness of the mistake he had made. He was under the impression Miss Brown told him she wanted the carbolic acid for sterilising the catheter, and that when he asked her if she knew how to use the acid and dilute it, she told him she had been using it for years; but he would not swear it. The head of the department, a qualified chemist, said that his instructions were definite. The carbolic acid should have been placed in a poison-bottle, and also carbolised oil, and he had never served it in plain bottles. The Coroner said that Miss Brown's evidence was clear that she had always been served with the plain bottle. Mr. Wood had given his evidence in a straightforward manner, and they all admired a man who did this. It would not have mattered much if the carbolised oil or the acid had been placed in a poison-bottle. Verdict: Death from misadventure. The Coroner added that Mr. Copper had behaved in a generous manner with deceased's family.

IRISH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Brevities.

Mr. W. J. Henning, R.D., the Medical Hall, Larne, has removed to 6 Main Street, Larne.

Dr. Meredith Rountree Whitla, Ph.C., Monaghan, has been chosen as a Commissioner of that town.

Mr. William C. Doherty, R.D., has been re-elected for the fourth time as Chairman of the Kilkee Urban District Council.

The annual meeting of the Chemists' and Druggists' Society of Ireland has been fixed for February 25 at the headquarters, 11 Waring Street, Belfast.

At the annual meeting of the Tandragee Unionist Club last week, Mr. W. J. Meredith, Ph.C., Urban Councillor, was elected Vice-President for the ensuing year.

Mr. Edward Brady, R.D., Fermanagh Street, Clones, has been appointed for the second year in succession as Vice-Chairman of the local Urban District Council.

Sir William Baxter, ex-President of the Pharmaceutical Society of Ireland, and Lady Baxter have been appointed on the committee of the Coleraine Cottage Hospital.

Mr. W. C. Dobbin, Ph.C., headed a deputation to the Police Committee of the Belfast Corporation on February 5, to complain of obstruction to business premises in North Street on Saturday evenings owing to street preaching. The committee agreed to communicate with the police authorities on the subject.

The recent Urban District Council elections in Pembroke township, Dublin, contested by Mr. William F. Wells, Ph.C., and others, have been followed by an action for alleged libel against Mr. Wells and his colleagues, who are accused by the plaintiffs of making use of statements prior to the polling calculated to injure them in the eyes of the voters. The matter came before the King's Bench Division last week on an application on behalf of the defendants to consolidate the actions into one. Plaintiffs' counsel did not oppose the motion, which the Court granted.

In the Coroner's Court.

Mr. Whelan, J.P., Deputy Coroner, held an inquest last week regarding the death of Edward Donohoe, Garrahan, Newbliss, co. Monaghan, who died on February 2. It appears that on January 22 deceased had a tooth extracted by Mr. John Beatty, Ph.C., and afterwards developed inflammation of the throat and neck, involving the side of the head and face. Dr. J. T. Elliott opened an abscess which formed, but deceased afterwards died from blood-poisoning. There was nothing to show that the tooth had been improperly drawn. Mr. John Beatty, Ph.C., gave evidence that when the tooth was extracted there was no swelling or abscess. The instruments were properly sterilised, and every care was taken. A hypodermic injection was used. The jury returned a verdict that the deceased died from heart-failure, due to exhaustion arising from inflammation and blood-poisoning having its origin in the throat and neck.

Guardians' Doings.

The Local Government Board have refused recoupment in respect of a sum of 12*l.* expended by the Corofin Guardians on account of medicines.

The Local Government Board have written to the Boards of Guardians throughout Ireland suggesting the fixing of a definite scale of charges for medicines and returned empties from and to railway stations, as in some unions the charges are exorbitant.

As regards delay in sending samples of drugs forward for analysis from one of the dispensary districts of the Swinford Union, the Local Government Board have written to the Guardians, intimating that samples of drugs must be sent for analysis immediately after delivery so as to avoid the possibility of defective drugs being put into use. The Board have had under consideration the

question of rejecting the analyst's certificate in one instance as not complying with the regulations and refusing recoupment, but on this occasion they would not adopt this extreme course.

SCOTTISH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

The Rising Generation.

Mr. Struan Bain, son of Councillor J. Bain, Ph.C., Bridge of Allan, has passed with honours the Cambridge University Local Preliminary examination. Mr. Alan Harley, son of Mr. Thomas Harley, chemist, Perth, has also passed the examination, both boys being pupils at Strathallan College.

Aberdeen.

The recent purchase of twelve samples of drugs from various local pharmacies has resulted in the city analyst certifying the whole as genuine. The samples included lime-water, tincture of opium, red oxide of mercury ointment, camphorated oil, and glycerin.

Mr. A. W. Shirras, pharmacist, Powis Terrace, has removed his pharmacy to a new building almost opposite. The old shop is to be opened as a pharmacy by Mr. John Byth, chemist and druggist, at present in business in King Street, who lately opened the shop at 63 Urquhart Road, vacated by Mr. John George.

Edinburgh.

Insurance scripts (from several accounts) are more than twice as many during the closing month as compared with January 1913.

Mr. R. Glode Guyer, Ph.C., lectured to the Edinburgh Photographic Society on the sulphide toning of bromide prints at last week's meeting.

Mr. Robert Aitken, principal of Messrs. H. C. Baildon & Son, Princes Street and Shandwick Place, has left for a two months' tour in Egypt and the Soudan.

By a majority Edinburgh Town Council last week refused to grant a licence for an advertisement-board over the doorway of the shop of Messrs. Davidson & Co., chemists, 1 Earl Grey Street.

An East-end chemist has a big window-display of olive oil at present. A 10-gal. straw-covered jar occupies the centre of the window, and around it are ranged bottles of oil, priced from 1*s.* upwards. Tickets state that the late Queen Victoria used to order similar jars of oil when she visited Desdise, and that Ali Baba and his friends hid in vessels double the size of the type shown. The show has attracted considerable attention.

Glasgow and the West.

From St. George's Co-operative Drug Department's balance-sheet for the quarter which ended December 3, 1913, we extract the following:

Stock last quarter, 496*l.* 19*s.* 1*d.*; goods added, 1,128*l.* 4*s.* 11½*d.*; transfers, 11*s.* 6*d.*; due last quarter, 2*l.* 6*s.*; expenses per account, 112*l.* 11*s.* 4*d.*; profit, 50*l.* 7*s.* 6*d.*; total, 1,791*l.* 0*s.* 4½*d.*

Shop sales, 307*l.* 11*s.* 4½*d.*; dividend Federated Societies, 4*l.* 5*s.*; due by members, 2*l.* 6*s.*; stock this quarter, 680*l.* 18*s.* 5½*d.*; total, 1,791*l.* 0*s.* 4½*d.*

Transfers, 795*l.* 19*s.* 6½*d.*

As showing the mildness of the climate in Stirling, Canterbury bells are in full bloom in an open garden, jasmine flourishes in profusion on many walls, and the common whin spreads its golden blossoms to the sky. Primroses, pinks, and other flowers of usually much later appearance are also in full bloom, but from a business point of view a sharp frost would pay the local pharmacists better.

The fixture-card of the Glasgow Pharmacy Golf Club for the 1914-15 season has been issued by Mr. Walter S. Galbraith, 52 Paisley Road West. Monthly-medal play is arranged for the third Tuesday of each month. The spring meeting will be on April 21, and the autumn one on September 8. Play is also arranged for the Mackay Cup, T. & H. Smith Cup, Rainey Brown Trophy (Edinburgh v. Glasgow), Virol Cup, and Hatrick Trophy.

FRENCH NEWS.

(From the "C. & D." Paris Correspondent.)

A PROPOSED NEW PHARMACY LAW, as revised and approved by the General Association of French Pharmacists, has been submitted to the "Pharmaceutical Group" of the French Parliament (Deputies and Senators who are ex-pharmacists). This has turned out to be unfortunate, for M. Mille, a pharmacist-deputy, who is President of the "Society of Great Commercial Pharmacies," in his turn lodged in the Chamber of Deputies a draft framed as a counterblast to that of the retailers.

M. MERIEL, pharmacist at Nanteuil-le-Haudouin, when taking a stroll a few days ago, met an old lady who seemed ready to drop from fatigue. She was quite unknown in the village, and remained obstinately silent when pressed with questions. She was evidently in no state to be left in the street, and the kindly pharmacist had her carried to the neighbouring hospital. There she decided to give her name, etc.—Mme. Génue, aged seventy-five, living at Le Raincy, near Paris. She is afflicted with "ambulatory mania," and had strayed from her home to Nanteuil, some twenty-five miles, in two days. Her daughter came to fetch her home.

PROFESSOR DANIEL BERTHELOT, whose biography and election as a member of the Academy of Medicine were given in the *C. & D.*, January 17, p. 38, has carried out several clever researches. His degree theses were on (1) the allotropy of simple bodies, (2) the electric conductivity of organic acids and their salts, (3) the neutralisation and electric conductivity of acids and bases. Professor Berthelot's latest and perhaps most remarkable work bears on the action of the ultra-violet rays. His unsuccessful competitors at the Academy election were M. Patern, the well-known hospital pharmacist; M. Cou-



PROF. D. BERTHELOT.

tière, professor of zoology at the Superior School of Pharmacy; and M. Bréteao, an army pharmacist. Professor Berthelot's portrait is given here. A club exists in Paris called the *Corde Berthelot*, the object of which is to perpetuate the memory and ideals of the illustrious chemist and statesman Marcelin Berthelot, whose name it bears. On Friday of last week a banquet was held by the Club as a compliment to three of its members who have recently had honours conferred on them. One of the three was Professor Daniel Berthelot. In referring to him Dr. Dedierre, who presided, said, "I salute the heir of a great name, son of an illustrious thinker who was an honour to science. In honouring the father one honours the son. No one has rendered more service to science." M. Painlevé also spoke, and cited Marcelin Berthelot as a scientist who had been illustrious in every branch of human activity.

THE CUSTOMS TARIFF.—The "Journal Officiel" publishes a list of "Goods not classed in the French Customs Tariff" for the guidance of well-meaning but not necessarily omniscient *douaniers*. Aluminium bisulphite, sodium cacodylate, and aluminium carbide are classed under No. 282, "Unspecified chemicals not having alcohol as basis." Ammonium bisulphite is an "ammoniacal salt" (No. 252). Importation of the following "unspecified compound medicaments" is prohibited: Dyspepsia or digestive tablets; Dr. Roland's anti-epileptic liqueur; Allenburys' throat pastilles; medicinal pastilles composed of liquorice, menthol, eucalyptus oil, and pine oil; and medicinal preparations composed of menthol, eucalyptol, and terpinol for the "Atox" inhalator.—At a recent meeting of the Parisian Wholesale Druggists' Association, the President mentioned that he was glad to be able to

announce that, in accordance with the opinion of M. Gautier, Director of the Paris School of Pharmacy, the Customs authorities (Administration of Finances) had given them satisfaction so far as quinine salts are concerned. These will in future be scheduled under Article 274 of the Customs Tariff, and pay 15f. to 20f. per kilo. as there noted. It is proposed that pepsin should pay *ad valorem*, the rate thus varying with the proteolytic power of the ferment, and to prevent abuse declarations of value of imported pepsin would be strictly verified. This subject, therefore, requires reconsideration, and the School of Pharmacy is to be consulted about it.

SOUTH AFRICAN NEWS.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is subscribed for and supplied weekly to all the members of the seven Chemists' Societies in British South Africa.

Cape Province.

PERSONAL.—Mr. Gregory, of Maws, and Mr. Gerrish, of Southall Bros. & Barclay, have been in town.

GENERAL TRADE.—An occasional correspondent, writing on January 23, says:

"This year has opened out badly for us here, with a strike on the railways. The Government tackled the matter splendidly. Our worthy President (Mr. J. Sowden) was acting as a special constable, manfully guarding the station at Rondebosch. Fortunately, the strike was not of long duration, but short as it was we feel the effects of it. The effects will be far worse up North—Johannesburg and Pretoria in particular. We hear all sorts of rumours; some say that they will never strike again, others that there will be another strike shortly compared with which the last one was mild. I am inclined to think that the labourers have got such a set-back that we may consider ourselves free from strikes for a good many years; besides, new laws are going to be made in the next Session of Parliament dealing with industrial matters, and it is morally certain that this last strike will have given our legislators points."

P.A.T.A.—The South African Proprietary Articles Trade Association has been somewhat impeded by the strike. It was the intention of Mr. E. Blake-Jardine, the General Secretary, to go north as far as Johannesburg in the interests of the Association, particularly because the Transvaal chemists are not enthusiastic about the method of protection that the P.A.T.A. has adopted. The strikes, however, have prevented Mr. Jardine from undertaking his journey. In the meantime the first number of "The South African P.A.T.A. Record" has been published. It is a sixteen-page pamphlet, the page measuring 8 in. by 6 in., with a cover like the "Anti-Cutting Record" of England. It is devoted chiefly to items of local news, information in regard to the P.A.T.A. list, the latest additions to which are Luce's eau de Cologne, Parke, Davis & Co.'s preparations, and Southall Bros. & Barclay's Vitafer, mosquito cones, sanitary towels, and Capsogen. Several alterations in prices are noted. The "Record" is to be published monthly "in the interests of retail and wholesale dealers in proprietary articles, and of the manufacturers who ensure a fair margin of profit to vendors of their goods." It makes a good beginning.

Rhodesia.

PERSONAL.—Mr. Victor M. Day, pharmacist, of Bulawayo, who has just recovered from a serious attack of enteric, has left Rhodesia for a few months' holiday in the Old Country.

Transvaal.

PERSONAL.—Mr. Hull, of Messrs. Parke, Davis & Co., has returned to the Rand after a lengthy visit to Europe.

BUSINESS CHANGES.—Messrs. Turner & Co., chemists and druggists, 83 Commissioner Street, Johannesburg, have sold their business to Messrs. D. S. Bernstein, J. G. G. Sutherland, and P. Spiros, trading as Sutherland & Co.—Mr. David Davidson Donaldson, 78 Rissik Street, Johannesburg, has sold his chemist's business to Mr. Alexander Grant Cowie.

INDIA AND THE EAST.

(From the "C. & D." Correspondents.)

PERSONAL.—Mr. J. D. Jenkins has been appointed general manager of Messrs. Phillips & Co., Ltd., chemists and general merchants, Bombay and Poona, in place of Mr. T. J. Edmonds, who has resigned.

BELLADONNA IN INDIA.—In the *C. & D.*, August 30, 1913, p. 50, a brief report was printed in regard to the cultivation of *Atropa Belladonna* in India. The economic botanist has now reported on sun-dried root grown at the Kutchery Gardens, Naini Tal, as follows:

"The roots consisted of two kinds—viz., from one-year-old plants and from two-year-old plants—and were registered respectively No. 34375 and No. 34376. The alkaloid was estimated in each sample of root, and it was found to occur to the extent of 0.4 per cent. in that from the one-year-old plants and 0.45 per cent. in that from the two-year-old plants. Belladonna-root obtained from Europe and used in British medicinal preparation contains from 0.2 to 0.6 per cent. of total alkaloids. The roots grown in Naini Tal are therefore of good average quality, and are suitable for use in the medical-store departments of India."

This works out at 3,570 lb. per acre for one-year root and 3,545 lb. for the two-years. From this it will be noticed that although the percentage of alkaloid was greater in the two-year-old roots the quantity harvested was actually less, probably owing to the plants having been grown in poor soil. A good stock of acclimatised seed has been saved from both Naini Tal and Douglas Dale grown plants. The roots of the Douglas Dale grown plants rot during the rains, but seed, which is of a lighter colour than that produced in Naini Tal, has been saved.

MR. CHARLES W. WHITE, *doyen* of Indian drug-travellers, arrived from London in Bombay on January 23, per the

P. & O. s.s. *Mantua*, in the best of health, after his long and trying illness. Quite a number of his personal friends gave him a hearty welcome, after which both he and Mrs. White were garlanded with flowers from their friends of the Bombay Drug Bazar Association. The following address was afterwards read and presented by Mr. A. M. Thakkar, a leading member of the Association and a prominent druggist.

Mr. and Mrs. White and Gentlemen,—I feel very great pleasure in standing before you, on behalf of the Drug Bazar Association, to accord a hearty welcome to our dear friend Mr. White, who by the grace of God has been able to return to Bombay in excellent health after his long and serious illness.

He is very well known to all of you for more than twenty-five years, and we all know that he always looks to the interest of our Bazar without doing any injustice to the manufacturers, which, as you all understand, is really a heavy task, since it is very difficult to please both the parties.

After a long journey extending over nearly three weeks our worthy friend must have been tired, and would rather require rest; so I do not make a long speech on this occasion, but simply take this opportunity of cordially wishing Mr. and Mrs. White, on behalf of our Association, long

life, health, wealth, and happiness, and of praying to Almighty Father that He may shower His choicest blessings on them.

The members of the Drug Bazar Association present were: Messrs. Damodardas, of Messrs. Karsandas, Nathu & Co. (Chairman of the Drug Bazar Association); Jadavji, of Messrs. Amersey, Khimji & Co.; Vanmalidas, of Messrs. Vallabhji, Bhicka & Co.; Chandulal Dalchand, of Messrs. B. Vanasidas & Co.; A. M. Thakkar, H. R. Mody, Chhaganlal Ragnathdas, P. Karunashanker, Ramdas Visharam, and Mohanlal K. Shah. Owing to the death of Mr. Chaturbhooj, of Messrs. Bhicka, Cullianji & Co., which occurred on January 22, some of the members were unable to be present.

AUSTRALASIAN NEWS.

"The Chemist and Druggist" is subscribed for and supplied weekly to all the members of nine Chemists' Societies in Australia and New Zealand.

The Commonwealth.

INSURANCE DRUG TARIFF.—From a report of the proceedings of the National Health Insurance Conference which Mr. Porter gave at a meeting of the Pharmaceutical Society of South Australia, it appears that the systems of remuneration for drug-supply which were proposed were: (1) One shilling a script, single item, with a tariff for drugs of more than ordinary cost; (2) retail rates on a scale to be fixed, with percentage rebates based on distance or other circumstances of supply; (3) a drug-tariff basis. The last-named method was the one which the Conference approved.

New South Wales.

PHARMACEUTICAL SOCIETY.—At the meeting on December 9 Mr. C. Carroll resigned his seat on the Council owing to ill-health. The Council, however, gave Mr. Carroll six months' leave of absence instead of accepting his resignation. In discussion on National Health Insurance matters the danger was emphasised that the Friendly Society Dispensaries would claim to do the dispensing for insured persons.

New Zealand.

MEDICAL EXHIBITION.—In connection with the Australian Medical Congress, which is being held at Auckland this month, Messrs. Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C., have an exhibit of their recent products, among which are epinine, ernutin, and vaporole infundin.

Victoria.

ADULTERATED ESSENTIAL OILS.—Mr. R. Barry Drew, M.L.C., before the Victorian Society of Chemical Industry on October 28, gave some notes of sophisticated essential oils which have passed through his hands. He classified the various forms of sophistication as (1) the addition of cheaper substances to increase the bulk; (2) the abstraction of valuable constituents; (3) the addition of chemicals to bring the constants of the oil within official limits. A sample of cassia oil showed s.g. 1.064, solubility $2\frac{1}{2}$ of 80-per-cent. alcohol, cinnamic aldehyde 79 per cent.; heavy metals absent. These would indicate a good natural oil, but fractional distillation showed the presence of resin, which was confirmed by the lead-acetate test. A sample of fennel oil examined had optical activity too high, density and solubility too low, and the sample remained liquid at 6° C. Bay oil should contain some 68 per cent. of cineol (eucalyptol) and dissolve in $2\frac{1}{2}$ parts of 80-per-cent. alcohol. The sample examined contained 96 per cent. cineol and was soluble in 70-per-cent. alcohol. The characteristic odoriferous principles of bay oil were absent, and the sample was described as crude eucalyptol with a bay odour. Three different 12-lb. coppers of lemon oil were examined and found to contain paraffin oil. The oil was from a first-class house, and the theory is that the tins had been skilfully de-soldered, nearly a tenth of the oil abstracted, and replaced with paraffin oil.



MR. C. W. WHITE, F.R.G.S.

LEGAL REPORTS.

TRADE LAW.

Salicylic Acid as a Preservative.—At Biggleswade on February 4, John Henry Barlow, of Biggleswade, was fined 1s., and 7s. 6d. costs, under the Sale of Food and Drugs Act, for selling cowslip-wine containing salicylic acid to the extent of 7.70 grains per pint.

Saffron.—At Thames Police Court on February 11, Herbert G. Northwood, chemist and druggist, King David Lane, Shadwell, was fined 20s., and 44s. costs, under Section 6 of the Sale of Food and Drugs Act, 1875, for selling saffron containing 32 per cent. of borax and nitre.

Chemists' Sundries.—In the City of London Court on February 6, before Judge Atherley-Jones, K.C., Messrs. Henry C. Quelch & Co., manufacturing chemists, 4 Ludgate Circus, E.C., sought to enforce payment of 1l. 17s. 3d. due from Mr. J. Gordon Barclay, chemist, 55 Sutherland Road, for trade goods supplied. Plaintiffs' representative said that defendant is at present a chemist's assistant at 3l. a week. When the debt was incurred the defendant was in business on his own account. Judge Atherley-Jones thought it was honest of the defendant to have told the plaintiffs how he was situated. He ordered defendant to pay 10s. a month.

Flour-improvers.—At Kingston-on-Hull on February 9, Mr. J. G. Hay Halkett, Stipendiary Magistrate, gave his decision on a question under Section 6 of the Sale of Food and Drugs Act, 1875, regarding the sale of "best white flour," which was certified by the city analyst to contain 6.3 parts of potassium persulphate per 100,000. The point to be decided was whether this was sold "to the prejudice of the purchaser." The Magistrate decided in the negative, and dismissed the summons, holding (1) that the potassium persulphate was introduced in the course of the preparation of the flour, as an article of commerce in a state fit for consumption; (2) that the addition did not prejudice the purchaser, seeing that it actually improved the flour, was not put in to conceal inferior quality, and was introduced in such a small quantity as to be wholly innocuous in its effects.

Unreasonable Time for Delivery.—In the City of London Court on February 6, before Judge Atherley-Jones, K.C., the British and Foreign Bottle Co., 107 Cannon Street, E.C., claimed 1l. 7s. against the proprietors of the British Brushworks, 42 Greig Street, Park Road, Liverpool, as damages for breach of contract. It appeared that the plaintiffs gave defendants an order for a gross of gum-brushes at 18s., and defendants' invoice said that goods would be sent upon receipt of plaintiffs' cheque. That was on October 15. On October 21 plaintiffs sent a cheque, and obtained a receipt for it; but defendants never delivered the brushes, and then plaintiffs had to obtain them elsewhere, after having first complained to the defendants. Plaintiffs had to pay 1l. 7s. for the brushes, and they claimed 1l. 7s., being the 18s. paid and 9s. loss, by way of damages. Judge Atherley-Jones said that the defendants had written to say that they sent the brushes as soon as they obtained the materials to make them with. How did the plaintiffs make out that time was the essence of the contract? Mr. Jones said he did not say that, but he maintained that the defendants had not sent the brushes in a reasonable time. The plaintiffs received the brushes the Saturday before only, and that was the first intimation they had. The Judge said the plaintiffs were entitled to recover the amount claimed, with costs.

High Court Cases.

Unless when otherwise stated these cases have been heard in the High Court of Justice, London.

HALL v. ZIMMERMANN APPEAL.

In the King's Bench Divisional Court on February 10, Mr. J. B. Matthews, K.C., mentioned the case of *Hall v. C. Zimmermann & Co.*, which was an appeal by the defendants from a decision of the Recorder at the Mayor's Court (see *C. & D.*, January 31, p. 190). Counsel asked that the case should stand out of the list for ten days, as it had only been tried in the Mayor's Court on January 27, and had come on rather quickly. The action related to the chemical-trade, and both sides consented to the postponement desired. The Court allowed the case to stand over until the end of the week.

STOLZ ELECTROPHONE.

In the Chancery Division on February 6, Mr. Justice Eve heard a motion on behalf of the plaintiffs in the action *Stolz Electrophone Co. (London), Ltd.,* against the

Stolz Electrophone Co. (1913), Ltd., for the appointment of a receiver and manager of the defendant company. Mr. Cozens-Hardy, K.C., appeared for the applicants. The circumstances were reported in our issue of January 31, p. 190. His Lordship, in refusing the motion, said the facts appeared altogether contrary to what the plaintiffs contended, and there was no proof whatever that the business was not being carried on with the greatest prudence.

"PARROT" POLISH TRADE-MARK.

In the Chancery Division on February 6, Mr. Justice Astbury heard a motion in the action of the *Chiswick Polish Co., Ltd.*, against *Fortune* and others. Counsel for the plaintiff company said the motion asked for an injunction to restrain the defendants from infringing the plaintiffs' trade-mark (which is a parrot) for boot-polish, and to restrain defendants from passing off their goods as plaintiffs'. The writ asked for the delivery up of all tins and receptacles bearing plaintiffs' trade-mark. Plaintiffs also asked damages and costs. The parties had signed terms to which the defendants agreed. His Lordship sanctioned the arrangement.

CHEMIST IN WILL-SUIT.

Mr. Edward Taylor, chemist and druggist, 8 Haven Road, Canford Cliffs, near Bournemouth, was the plaintiff in a will-suit heard on February 6 in the Probate Court. He propounded the will of his mother, of which he was the executor and sole legatee of an estate of about 800l. The defendant in the suit was Mrs. Brewster, a stepister, who alleged that the plaintiff had been guilty of fraud, and that the will was not properly executed. Mr. Taylor, in his evidence, said his mother, who was eighty-seven years of age at her death, lived with him for some time. In 1912, at her request, he drew up her will, by which she left him all her property. She was fully aware of what she was doing, and the will was properly signed and witnessed. Counsel for the defendant eventually stated that the charges of fraud and undue influence made by his client would be withdrawn. His Lordship pronounced for the will in favour of plaintiff, the costs to come out of the estate.

Shops Act, 1912.

IS A PORTER A SHOP-ASSISTANT?

At Mansfield (Notts) on February 11, Mr. J. F. Dickenson, chemist and druggist, 12 Market Place, was summoned for employing an assistant on the Wednesday half-holiday when he had agreed that this day should be fixed for the weekly holiday.

Prosecuting for the Town Council, Mr. J. H. White (Town Clerk) said that on Wednesday evening, December 17, the inspector, noticing a light in the shop, went in and saw an assistant, Wm. Cook, serving customers. When spoken to defendant explained that his wife usually came on Wednesday evenings to look after the shop while he was upstairs, but on this Wednesday she was ill, and he got Cook to come instead. The case, said Mr. White, depended upon what interpretation was put on the definition of the term shop-assistant by Section 19. According to Cook's statement he was engaged as porter, but acted as warehouseman, packing and unpacking goods, checking them, working in the shop, and spending most of his time on the premises. He was, therefore, a shop-assistant within the meaning of the Act. Mr. Dickenson, added Mr. White, had put no obstacle in the way of the prosecution getting at the facts, and in consequence of Cook working on the Wednesday he allowed him to leave early on the following Friday. That this man was an assistant was proved to some extent by the fact that recently Mr. Dickenson had altered the notice in his shop, which read that the half-day for all assistants except the porter shall be Wednesday.

Wm. Soar, inspector under the Act, gave evidence bearing out this statement, and, cross-examined by Mr. R. A. Young (defending), said Mr. Dickenson practised dentistry in a room upstairs, and it was necessary for him to have someone to keep an eye on the shop. Wit-

ss agreed this was an isolated instance of Cook having come to the shop on Wednesday, and was in consequence of the illness of defendant's wife.

Wm. Cook said he was engaged by defendant as porter, and spent most of his time in the warehouse. Since the case came into force he had been told not to serve in the shop. When some panel patients came in on this Wednesday he called the defendant downstairs.

Mr. Young submitted that Cook was not a shop-assistant within the meaning of the Act, and urged that it was not desirable to record a conviction in view of the peculiar circumstances of the case.

The Bench came to the conclusion that a technical offence had been committed, but taking all the circumstances into consideration, they suggested that the summons be withdrawn on the payment of costs.

The Town Clerk agreed to this course.

CREDITORS' MEETINGS.

MEETING of the creditors of William Henry Bellwood, drug-store proprietor, 161 Albert Avenue, Hull, was held at the offices of the Official Receiver on February 10. According to the debtor's statement of affairs, the liabilities expected to rank for dividend amounted to 175*l.* 14*s.* 11*d.*, and net assets were estimated at 50*l.* 1*s.*, leaving a deficiency of 125*l.* 13*s.* 11*d.* The causes of failure given by the debtor were insufficient takings and profits to pay working expenses and support himself and family. Debtor's affairs were left in the Official Receiver's hands. The following are creditors: R. Firth, Leeds (14*l.*); Hirst, Brooke & Hirst, Ltd., Leeds (36*l.*); Lofthouse & Saltmer, Ltd., Hull (22*l.*); Raimes & Co., York (19*l.*); and Thomas Swales, Leeds (12*l.*).

A meeting of the creditors of Francis Holmes, Ph.C., 99 Woodhouse Lane, Leeds, was held recently, when a statement of affairs was submitted showing liabilities amounting to 265*l.* 14*s.* 11*d.* and assets consisting of stock-in-trade, estimated to produce 93*l.* 15*s.* 8*d.*; trade fixtures, fittings, utensils, etc., 80*l.*; and furniture, 20*l.*—making a total of 197*l.* 15*s.* 8*d.*, from which had to be deducted 7*l.* 11*s.* 7*d.* for preferential claims, leaving net assets 190*l.* 4*s.* 1*d.*, and disclosing a deficiency of 95*l.* 10*s.* 10*d.* Mr. Thorpe, the solicitor to the debtor, stated that the debtor purchased the business thirty years ago from Mr. Bowman for 1,000*l.* The debtor attributed the decline in the takings to general deterioration of the district, competition of cash drug-stores, and the extension of travelling facilities by the laying of new tram-lines, which helped to take the customers into the city. Debtor has also suffered loss through the continued illness of his wife. It was stated that the landlord had insisted upon a guarantee being given for his rent, and Mr. Munkman had complied, but in order to secure himself had taken a deed of assignment. The debtor's drawings from the business had been 30*s.* a week. No offer of a composition was placed before the creditors, and it was therefore decided to confirm the deed of assignment already executed, and a committee of inspection was elected.

GAZETTE.

Partnerships Dissolved.

BALE, W. B., and NEVETT, A. J., Stockport, physicians and surgeons, under the style of Barker, Bale & Nevett.

BIGGER, W. G., NIVOL, P. W., and BERRY, C. H., Dartmoor Sanatorium, Chagford, physicians and surgeons, under the style of the Dartmoor Sanatorium.

LAWRIE, D., WILLCOX, J. W. J., and ALDRIDGE, F. J., Glastonbury, general medical practitioners, under the style of Lawrie, Willcox & Aldridge.

SYDNEY, H., and MARTIN, L. C., Hounslow, medical practitioners, under the style of Drs. Sydney & Martin.

WEICHERT, C. J., and LLEWELLYN, T. R., Penygraig, medical practitioners, under the style of Weichert & Llewellyn.

The Bankruptcy Acts.

ADJUDICATIONS.

ATKINS, T. E., White Hall, South Norwood Hill, Surrey, medical practitioner.

BELLWOOD, W. H., Albert Avenue, Kingston-upon-Hull, drug-store proprietor.

DUN, H. W., Laburnum Grove, North End, and Tangier Road, Copnor, Portsmouth, physician and surgeon.

JONES, A. H., New Bridge Street, London, E.C., medical publisher.

RIDDALL, T. B., Birch Terrace, Dickinson Road, Rusholme, Manchester, formerly Palatine Road, Withington, physician and surgeon.

THOMAS, G., Warwick Road, Stapleton Road, and Waverley Street, Warwick Road, Bristol, mineral-water manufacturer, under the name of W. Thomas & Co.

LIMITED COMPANIES.

New Companies Registered.

P.C. means Private Company and R.O. Registered Office.

UNIVERSAL REMEDIES, LTD. (P.C.).—Capital 1,000*l.*, in 1*l.* shares. Objects: To take over the business of a manufacturer of and dealer in tablets, patent medicines, and proprietary articles, carried on by Fanny K. Blount at 24 Hart Street, Bloomsbury. G. Blount is the first managing director.

R. BARBER, LTD. (P.C.).—Capital 500*l.*, in 1*l.* shares. Objects: To carry on the business of pharmacy and drug-store proprietors, chemists, druggists, etc. The first directors are R. Barber, E. A. Oliver, Mary Barber, Margaret Dunlop, and C. H. Garbutt. R.O., 326 High Street, Jarrow, Durham.

ROSALINE CO., LTD. (P.C.).—Capital 2,000*l.*, in 1*l.* shares. Objects: To take over the business of a manufacturer of toilet-requisites and other specialities, carried on at Bolton Road, Bradford, by C. E. Horner as the Rosaline Co. The first directors are C. E. Horner and Mrs. D. Horner. R.O., 1126 Bolton Road, Bradford.

WALKER HARDMAN, LTD. (P.C.).—Capital 10,000*l.*, in 10*l.* shares. Objects: To take over the business of an Epsom salt manufacturer and drysalter carried on by Eliza Hardman at the Irwell Chemical-works, Radcliffe, Lancs, as "Walker Hardman." The first directors are W. Hardman, A. Hardman, Mrs. E. Hardman, Mrs. A. Leck, Mrs. E. Taylor, and Miss E. Hardman.

LASSALLES, LTD. (P.C.).—Capital 2,000*l.*, in 1*l.* shares. Objects: To take over the business carried on by Dr. Fritz Lassalles, 9 Blenheim Street, London, W., and to carry on the business of manufacturers of and dealers in toilet-specialities, chemicals, drugs, medicines, perfumes, oils, emulsions, etc. The first directors are Fritz Lassalles and J. H. Sayer. R.O., as above.

FINANCIAL ENGINEERING AND CHEMICAL CO., LTD. (P.C.).—Capital 8,400*l.*, in 20,000 "A" shares of 8*s.* each, 4,000 "B" shares of 1*s.* each, and 4,000 "C" shares of 1*s.* each. Objects: To acquire the assets of the Electrolytic Alkali Co., Ltd., in liquidation, or some of them or an option thereon, to promote a company for repurchasing such assets, and to carry on the business of manufacturers of and dealers in bleaching-powder, soda, salt, brine, gas, fuel, and residual products, electrical and general engineers, etc. The signatories are E. J. Burrows and C. Anning, and they will appoint the first directors. R.O., 62 London Wall, E.C.

Company News.

DAVID THOM & CO., LTD.—The report states that, after providing for advertising, repairs, and renewals, the net profit for the year ended December 31 last amounted to 3,760*l.*, making, with 565*l.* brought forward, an available total of 4,325*l.* The directors recommend a dividend of 2½ per cent. on the preference shares for the year, absorbing 2,109*l.*, writing off 400*l.* against depreciation, and carrying forward 1,816*l.*

T. & H. SMITH, LTD.—The annual meeting of the shareholders was held at the offices, Blandfield Chemical-works, Wheatfield Road, Edinburgh, on February 9. Mr. Donald Mackenzie (chairman of directors) presided, and in moving the adoption of the report, which was agreed to, he referred to it as being the most satisfactory yet presented to the shareholders. Mr. Mackenzie was re-elected a director, and the auditors were also re-elected.

LEVISON EYESIGHT INSTITUTE, LTD.—Mr. Justice Eve had before him, in the Chancery Division on February 11, a motion for judgment on behalf of the plaintiff in *Bench v. the Levison Eyesight Institute, Ltd.* Counsel for the plaintiff said his client was suing on behalf of himself and other holders of debentures issued by the defendant company, amounting to 730*l.*, containing a first charge upon the undertaking. There was no appearance on the other side. The Judge: Very well. Take your order.

BIRTHS.

Authenticated notices are inserted without charge.

WARRICK.—At Blackheath, on February 8, the wife of Edward Warrick (Warrick Bros., Ltd.), of a daughter.

WILLIAMS.—At 11 Highlever Road, Kensington, London, W., on February 7, the wife of Harold J. Williams, pharmacist, of a son.

MARRIAGES.

Authenticated notices are inserted without charge.

BROWN—FREESSON.—At St. Nicholas Parish Church, Stevenage, on February 4, by the Rev. H. W. E. Malony, rector, assisted by the Rev. C. B. Goodwin, John Lupton Brown, son of Mr. S. J. Brown, High Street, Stevenage, to Violet Mary, youngest daughter of Mr. F. N. Freesson, chemist and druggist, The Pharmacy, High Street, Stevenage.

CHAMBERS—KAAE.—At Copenhagen, Denmark, on February 10, Maxse William Chambers, pharmacist, youngest son of the late Mr. I. Chambers, of New Watnall, Notts, to Karen, eldest daughter of the Rev. A. Kaae, Vicar of Tikøb, Fredensborg, Denmark.

MILES—LANGLEY.—At St. Stephen's Church, Caerwent, on February 2, by the Rev. Coleman Williams, M.A., William Edward Vivian, only son of the late Mr. William Miles and Mrs. W. Miles, the Drug Stores, 51 Fleet Street, Swindon, to May Till, younger daughter of Mr. and Mrs. M. Langley, Caerwent, Chepstow.

ROBINSON—TATEM.—At All Saints' Church, Fulham, London, S.W., on February 11, Reginald Robinson, pharmacist, of Messrs. Prichard & Constance, Ltd., Haymarket, S.W., second son of Mr. J. S. Robinson, of Ashton-under-Lyne, to "Billie," second daughter of Mr. and Mrs. Tatem, of Fulham, S.W.

DEATHS.

Authenticated notices are inserted without charge.

ATTREE.—At 106 St. Andrew's Road, Southsea, on February 1, Caroline, wife of Mr. William Austin Attree, chemist and druggist, aged sixty-four.

BENTON.—At Hazlemere, Westcliff-on-Sea, on February 8, suddenly, Mr. George Ambrose Benton, of Messrs. Geo. T. Benton & Son, produce-brokers, 30 Mincing Lane, London, E.C., aged sixty-three.

CONNOR.—At 10 College Gardens, Belfast, on February 10, Mr. Charles C. Connor, M.A., F.C.S., J.P., who was Mayor of Belfast in 1889-91, and also sat in the House of Commons as member for North Antrim. Mr. Connor had been a Fellow of the Chemical Society since 1875.

HARLEY.—At Drummond View, Crieff, on February 10, Mr. James Harley, chemist and druggist, who had for many years carried on business at James Square, Crieff, now Harley & Watts, Ltd. Mr. Harley was one of the first to pass the Modified examination in Scotland, he having been an assistant when the 1868 Act passed. He was examined in Edinburgh and was registered on December 31, 1868.

HELY.—Mr. John Hely, Ph.C., Cappoquin, co. Waterford, whose death was announced last week (p. 44), was the son of the late Dr. Hely, Cappoquin. He acted as manager of the late Dr. Holland's pharmacy in Dungarvan for close on eight years; he afterwards filled the position of dispenser with the Clonmel Union for several years. About twenty-one years ago he relinquished the latter post in order to take charge of the Medical Hall, Cappoquin, and he managed that business till his death.

PARTRIDGE.—At Broadlys, Saunton, on February 3, Mr. James Partridge, chemist and druggist, aged eighty-two. Mr. Partridge served his apprenticeship at Southampton with Mr. Randall. He went to Barnstaple in the

first place as assistant with the late Mr. John Norrington, going later into business at Bridgwater on his own account, and returning to Barnstaple to take over Mr. Norrington's business at 75 High Street. The latter pharmacy he continued to conduct until his retirement nine years ago. Mr. Partridge had served on the old School Board, of which he became Chairman, the Borough Education Committee, and the Burial Board, over which he presided for many years. He was also Chairman of the Managers of Ashleigh Road Council Schools and a deacon and secretary of the Congregational Church. Mr. Partridge was a keen naturalist, and his knowledge of bee culture led to his services being in request as a judge of honey at North Devon agricultural shows. The funeral took place at Barnstaple Cemetery on February 7.

PERSONALITIES.

Authenticated information for this section will be received by the Editor, and published, if not in the nature of advertisement.

MR. F. J. SANSOM, chemist, Barrow-in-Furness, has been re-elected President of the Barrow Chamber of Trade.

MR. VICTOR CASTLE (Messrs. Yardley & Co., Ltd.) sailed by the *Kinfauns Castle* for South Africa on Saturday, February 7.

MR. A. CHASTON CHAPMAN, F.I.C., F.C.S., has been elected President of the Society of Public Analysts and other Analytical Chemists.

MR. T. J. ROBERTS, pharmacist, Mayor of Ruthin, has been elected an alderman, to fill the vacancy caused by the death of Admiral Rouw, Ph.C.

MR. W. E. CLARKE, chemist and druggist, High Street, Strood, has promised to become secretary of a branch of the St. John Ambulance Association which is about to be started in that town.

MR. D. R. ROWLANDS, chemist, 108 Chester Street, Birkenhead, has resigned his membership of the local Board of Guardians in order that he may devote more time to his duties on the Town Council.

MRS. G. F. FORSTER, wife of the Dover pharmacist, is exhibiting her fine dog "Molly" at Cruft's Dog Show this week, and has been awarded two first prizes, two special prizes, and a thirty-five-guinea challenge cup.

MR. CHARLES E. MUSGRAVE, Secretary of the London Chamber of Commerce, has just published, through Effingham Wilson, at 2s. 6d. net, a retrospective appreciation of the London Chamber of Commerce from 1881 to the present time.

THE engagement is announced of Mr. John Campbell Boot, son of Sir Jesse and Lady Boot, Nottingham, and Margaret Joyce Fitzjohn, daughter of Mr. Frederick Haigh Pym, 82 Fitzjohn's avenue, London, N.W., and Dunsley, near Whitby.

MR. H. O. MEEK, chemist and druggist, who this week gave a lecture before the Nottingham Pharmaceutical Association, read a paper last week on Homoeopathy before the Nottingham branch of the Societe Internationale de Philologie, Sciences et Beaux-Arts.

MR. R. C. WALSHAW, chemist and druggist, 4 Market Place, Huddersfield, has accepted the invitation to become President of the National Chamber of Trade. He will probably be elected to the office at the annual meeting at Blackpool on April 17, as so far there is no opposition to Mr. Walshaw.

MR. GEORGE DUNCAN BOWIE, representing Messrs. Duncan, Flockhart & Co., London, has been elected President of the recently formed North London Scottish Association. A similar association is being formed in South-East London, Mr. J. Y. Fairweather, chemist and druggist, 313 Sydenham Road, taking an active part.

MR. GEORGE STEVENS, 15 Albany Terrace, Chatham, who attained his ninety-fifth birthday on February 4, commenced business in 1842 in High Street, Strood, at the pharmacy now carried on by Messrs. Ostler & Co. Although he retired many years ago, he still takes an interest in pharmaceutical affairs.

MR. WILLIAM HONEYMAN, Ph.C., has passed the final examination for the Associateship of the Institute of Chemistry, in Branch Chemistry of Food and Drugs, etc. Mr. Honeyman was a former Bell Scholar, and has been for some time past assistant to Messrs. Harrison & Self, analysts, 55 Chancery Lane, London, W.C.

MR. C. W. MARTIN, London representative of Messrs. J. Maw, Son, & Sons, has been seriously ill with bronchial pneumonia. There has been an improvement in his condition within the last few days, and it is hoped that he will now make a good recovery although the prognosis is still of a serious character. So many inquiries have reached his family from numerous friends that it has been impossible to reply to them all. They are asked to accept this announcement as a reply to their sympathetic inquiries.

MR. C. A. CRITCHLEY, who was elected President of the North-East Lancashire Chemists' Association at the annual meeting on February 2, served his apprenticeship with his father, Mr. Thomas Critchley, J.P., of King William Street, who started business in 1863. Mr. Critchley (senr.), although in his seventy-eighth year, still takes an active part in the business in which his son is a partner. Mr. Charles A. Critchley passed his Minor and Major examinations in 1896, and has a reputation as a lecturer on chemical subjects.

MR. A. V. BAXTER, who has for many years acted as manager of the Erasmic Co., Ltd., Warrington and London, has been appointed a managing director of the company. Mr. Baxter is a keen and courteous man of business, specially versed in administrative details and organisation, and is gifted with a clear foresight of fashions in public taste, having succeeded on many occasions in anticipating it. The development of the company's products in several directions is familiar to our readers, and those who know Mr. Baxter will be the first to congratulate him upon his new appointment.

MR. CORNELIUS BAYLEY, Uppingham, who has been appointed President of the Peterborough Association of Pharmacists for a second time (the first occasion was in 1905), is as much at home in the saddle as behind the



dispensing-counter, and has had the good fortune to breed "one of the best little horses that ever looked through a bridle." He hunts regularly, and finds himself the better for it and his business none the worse, while he also finds the time to help in local administrative work.

THE REGULATIONS concerning the importation, sale, etc., of Indian hemp, opium, and other deleterious drugs in British Guiana, which were given in our Coloured Supplement of November 15, 1913, were assented to by the Governor on December 31, 1913, and are published in full in the "Official Gazette" of that date.

TRADE NOTES.

THE MIDLAND DRUG CO., Nottingham, sole proprietors of Dr. Fromberg's Joint Preparation, and Sir Jesse Boot authorise us to state that neither Sir Jesse nor his companies are directly or indirectly associated with the Midland Drug Co.

BOVRIL SALES increased by over one and a quarter million bottles in the first five weeks of this year. An extract from Lord Erroll's speech at the shareholders' meeting of Bovril, Ltd., in which this fact is stated, is given in our advertising pages.

GRIFFIN'S CAMERA LIST.—Messrs. John J. Griffin & Sons, Ltd., Kingsway, London, W.C., have this week published their camera list for the 1914 season. It contains a selection of cameras of various makers, all of which are suitable for sale by chemists.

MESSRS. ISENSTEIN & Co., "The Blue Horse," 120 Houndsditch, London, E.C., are offering a large quantity of combs, tooth-brushes and hair-brushes at clearance prices. Catalogues have been prepared, and will be sent to any chemist who applies for one.

AGRICULTURAL SUPPLIES.—The spring seeding season brings on the demand for seed-dressing, and attention is drawn to "Corvusine D.G.," advertised by Mr. Arthur E. Hawker, 59 Mark Lane, London, E.C., which is specially adapted for sale by chemists in agricultural districts. Another suitable line is Molexo, for exterminating moles. This is put up in bottles which retail at 3s. 6d.

EUREKA WEED-KILLER.—The awakening of Nature in spring applies to good and bad crops alike, hence the demand in the spring for Eureka weed-killer. Customers should be urged to attack the problem of weed-destruction as soon as possible, as the amenities of the garden are then enjoyed for the whole year. The Eureka weed-killer is made by Messrs. Tomlinson & Hayward, Ltd., Lincoln, who also make many other packed garden chemicals. It is now the time to renew and stock these goods.

MESSRS. GOODALL, BACKHOUSE & Co., Whitehorse Street, Leeds, in their quarterly prices current for specialties, packed goods, druggists' and grocers' sundries, patent and proprietary articles, place a number of new insertions, including a leaflet regarding egg-preserving. The latter refers to refined water-glass which the firm are packing in tins at the following rates f.o.r. Leeds: 2s. 6d. per dozen for 1-lb. tins, 3s. 6d. for 2-lb., 6s. 6d. for 4-lb., and 10s. 6d. for 7-lb. tins, all labelled with full directions for use.

MESSRS. BROOK, PARKER & Co., LTD., manufacturing chemists, wholesale and export druggists and druggists' sundriesmen, Nelson Street, Bradford, are issuing a new drug-list, which extends to eighty-four pages measuring 10 in. by 7½ in. Besides the drugs and chemicals commonly found in wholesale druggists' prices current, the list contains groups of botanic drugs, such as barks, inserted in alphabetical order in the ordinary list, these being characterised by having the botanical source of the drug indicated by their scientific names. Fluid extracts are similarly treated, as well as herbs, leaves, etc. This list is followed by one of concentrated mixtures, and others of medicinal products in which the company specialise. Copies of the catalogue can be obtained from them on application.

"PRACTICAL ADVERTISING."—A remarkably complete encyclopædia of the subject has just been issued by Mather & Crowther, Ltd., of New Bridge Street, London, E.C. It is a volume measuring 8 in. by 10 in. by 2 in., bound in green and gold. The foreword is a treatise on modern methods of publicity as exemplified in the business of Mather & Crowther, Ltd. Then follow a collection of examples of successful advertisements, details of papers and periodicals published throughout the British Empire, as well as a record of the billposting firms throughout the United Kingdom. The usefulness of the book (which extends to 680 pages) is enhanced by a carefully compiled general index and a series of classified lists

of daily and weekly newspapers and trade journals. The published price of "Practical Advertising" is 3s. 6d.

A FAMINE IN POWDER-PUFFS.—Messrs. Solport Bros. inform us that owing to bad climatic conditions in the rearing-grounds during the spring and early summer of 1913 there is now a very serious shortage in the birds' skins required for making powder-puffs. The birds are specially bred, and means of enlarging the supply in case of failure during the breeding season are out of the question. The prices of skins have been mounting steadily during the past few months, and makers of powder-puffs have from time to time been forced to advance the prices of puffs. Within the last few weeks the situation has become sensibly worse. No more skins are available beyond those which manufacturers now have in their factories, and the stocks in most instances are understood to be so small that in a short while manufacture must cease. Messrs. Solport Bros. inform us that they have supplies for some few months, but an advance all round of 50 per cent. on prices ruling last autumn is imperative.

PACKED GOODS LIST.—Messrs. Ayrtton, Saunders & Co., Ltd., Liverpool, are issuing a new list of preparations and medicinal products which they pack ready for sale by chemists. The list is a large octavo, extending to 152 pages, exclusive of prefatory matter and an index of four double-column pages. Every page of the list contains one or more wood engravings of the packets as produced by the firm ready for retail. Frequently there are more than one style of package; for example, there are four for bay-rum, and eighteen for cod-liver oil emulsion, and these are explicitly described in a tabulated page. The contents of the list range from the most humble articles required for domestic purposes, such as household ammonia, up to perfumes and toilet-articles produced in a refined manner. A copy of the list can be obtained on application to Messrs. Ayrtton, Saunders & Co., 34 Hanover Street, Liverpool. Particulars in regard to "Free Gift" days of samples of bismuthated magnesia, as referred to in our advertising pages, should also be obtained.

"READY FOR RETAIL" is the phrase which The British Drug Houses, Ltd., 22-30 Graham Street, City Road, London, apply to their series of packed preparations. We referred to several of them a few weeks ago, and have now before us three which illustrate quite different styles of new business making. "Petrochettes" is the name which the company give to a digestive tablet-lozenge, reminiscent in efficacy and taste of the old-fashioned livelong candy, but in this instance we have a compressed tablet which can either be eaten as a lozenge or crushed to make a powder to swallow. The petrochettes are put up in flasks to retail at 1s. 1½d. (P.A.T.A. minimum, 1s.). Another article which should sell well is Avon bath-tablets (1s.); they are water-softening tablets the size of a sovereign, each wrapped in tinfoil and packed in a phial case. The tablet effervesces slightly, and as it dissolves it softens the water and richly perfumes the room. The third article is thymol tooth-paste, a good combination put up in collapsible tubes to retail at 1s. The company print the retailer's name and address on all these products in a manner consistent with their artistic and distinctive character.

SYNTHETIC PERFUMES.—The art of perfume compounding has now become a very simple one to the retailer, owing to the high level that manufacturers have reached in synthesising individual odours. This is the inevitable reflection that comes to us on examining half a dozen new synthetic odours manufactured by Messrs. Stevenson & Howell, Ltd., 95A Southwark Street, London, S.E., which we have had the opportunity of testing. Carnation pink, jasmine and hyacinth are excellent; bergamot is practically indistinguishable from the oil pressed from the rind of the fresh fruit, and neroli is as fine a synthetic achievement. We agree with Mr. E. J. Parry in saying that these two latter are "of the highest possible grade." To us the bergamot is reminiscent of a fine specimen that we once inspected, and which was prepared for King Victor Emmanuel, who was fond of a single drop in his postprandial cup of coffee, and paid 40s. an ounce for

it. The sixth new synthetic that Messrs. Stevenson & Howell make is sweet pea. We find that with 20 o.p. spirit this makes, without any other addition, a fine perfume that justifies fully our opening remark. Those interested will get further particulars and prices from Messrs. Stevenson & Howell on application.

ADVERTISING EXPERTS.—Beginners in advertising to the public often lose a large amount of money through not knowing the most suitable papers in which to advertise a given proprietary article. It is this expense which is saved by consulting advertising experts, and the advertiser has the advantage of the advice of men who have accumulated experience in this particular branch of commerce. A C. & D. representative has had a chat with one of the principals of Harvey Bros.' Advertising Agency, 171 Queen Victoria Street, London, E.C., whose advertisement in the C. & D. has already attracted the attention of many readers. The claims made are founded on experience extending over a long period and dealing with a great variety of subjects. It was pointed out that it takes years to become familiar with the publicity claims of the numerous sections of the Press in this country and in the over-seas possessions. It is this which makes it advantageous for an intending advertiser to consult someone who knows all about the matter and can supply ideas and illustrations as well. By a process which need not be explained here, it actually costs the advertiser less than if he went direct to the various papers and had hundreds of separate accounts to manage, instead of one only, which the advertising agency render each month.

TRADE-MARKS.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1914, p. 237.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £1) and lodged with Mr. W. Temple Franks, Comptroller-General, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned.

(From the "Trade-marks Journal," January 21, 1914.)

"ABRODIL"; for medicinal chemicals (3). By The Bayer Co., Ltd., 20 Booth Street, Manchester. 357,434.

"NUTRALBON"; for a food made from albumen and animal charcoal (42). By Naamloze Vennootschap Chemische Industrie "Amsterdam," 46 Amsteldijk, Amsterdam. 357,036.

Device of heart, with letters "D. & Co.": for essences, etc. (43), and for mineral waters (44). By Duckworth & Co., Chester Road, Manchester. 354,002/3.

"POMAYNIT"; for a hair pomade (48). By J. C. Lane, 103 Warwick Road, Sparkhill, Birmingham. 356,513.

Circular device including lion and monogram "D. P.": for a tooth-powder (48). By La Société en nom collectif les Héritiers du Docteur Pierre, Rue Becquet, Nanterre, Seine, France. 356,516.

"DAMASCIA"; for toilet-preparations (48). By Florence C. M. Gates, 46 King Edward's Grove, Teddington. 356,805.

(From the "Trade-marks Journal," January 28, 1914.)

"ERGAN" and "ERGANON"; for all goods (1). By The Badische Co., Ltd., 2 Samuel Ogden Street, Manchester. 357,126/7.

"LAVASOL"; for soap (2, 3, 47, and 48). By Sapon, Ltd., 24 and 25 King William Street, London, E.C. 354,664, 354,665/6/7.

"TORT-OOF" with facsimile signature "WALTER HARVEY" ("Tort-oof" disclaimed); for a veterinary preparation (2). By W. Harvey, "The Lawn," Ball Lane, Kennington, Ashford, Kent. 357,033.

"PROVIDOFORM" for disinfectants (2); "NASATOR" for medicated inhalers (3); "PRODOL" for perfumery (48). By Providol G.m.B.H., 104 Alt Moabit, Berlin. 357,120, 357,118/119.

"OSMORET"; for a horticultural chemical (2). By A. Coulter, 59 Cantelupe Road, East Grinstead. 357,139.

"AERONON"; for fly-catchers (2). By Fr. Kaiser, 35 Bahnhofstrasse, Waiblingen, Wurttemberg. 357,304.



A Single Post.

The above engraving is from a photograph taken of letters to various advertisements in the *C. & D. Coloured Supplement*, February 7, received at our office, 42 Cannon Street, London, E.C., by a single post on Monday,

February 9. Many more were received before that and since, but these letters suffice to show, as truthfully as a much-reduced picture can, how effective is advertising in the *C. & D. Supplement*.

INFORMATION DEPARTMENT.

INFORMATION WANTED.

Postal or telephone information as to the names and addresses of the agents for or makers of the undermentioned articles is wanted. Please address as above.

66. Menjon's floral
am.
64. "Altroid."
60. Chlorodyne (Foul-
r's).
59. Goddard's boot-top
powder.
58. "Tirol" (Tirol Chem-
ical Co.).
57. Dr. Johnson's
"Medico" braces.
56. Riegel's "Crema
Haren."
55. Cottam's "Nautine"
engines.
54. Golden nut oil.
53. "Californian" fruit
ine effervescent.
52. "Lactocide."
51. "Euterol."
50. Alkan water.
49. Japanese corr silk.
48. Morgan Jones's
waders.
47. "Miraculous Salve"
r veterinary use).

119/170. Hall's metal-polish.
120/390. Winn & Co.'s
"Anti-cardium" black
reviver.
120/41. Formo-sulphite.
121/59. Stohlz green oint-
ment.
121/590. Palmer's oils.
121/591. Shevelcy tooth-pow-
der.
121/592. "Kacepe" bal'sam.
121/593. "Lignunis Drops."
121/594. "Nasoline."
121/17. "Antifregon" (for
lameness in horses).
121/66. Spicer's nasal
syringe.
121/67. Valaini's capsules.
123/14. G. P. Way's medi-
cated ear-drums.
123/15. "Pinacyanol."
123/26. "Sweet Smelling
Clover" perfume.
123/260. Humphrey's homeo-
pathic veterinary specific
for worms.

INFORMATION SUPPLIED.

Inquiries in regard to the following articles have been answered. The information will be given to others who send a stamped and addressed envelope for it to the above address.

Adair's (Mrs.) toilet prepara-
tions, 118/8
Aethone, 111/8
Aikman's lentil-food, 117/65
"Ako," 120/42
"Antileprol" capsules,
121/63
Automatic weighing and
measuring machinery,
120/46
Babcock's specialties, 121/59
Baird's pills, 119/171
"Caledonia" specialties,
122/44
Carmarole compound, 121/22
Castile soap (for Aalsace),
120/2
Casophos, 120/38
Chinese paper, 113/29
"Court" shampoo powder,
114/22
Cream of tartar (French,
Italian, etc.), 119/52
Cupiss's constitution balls,
122/27
Dale's (Dr.) dentos, 121/592
Ellis & Golterman's nebu-
lizer, 120/45
Ems pastilles, 107/36
Fazal, 121/590
"Niblick," tooth-brush,
120/58
"Nyal" remedies, 119/9
Ointment mills, 112/30
"Olympia" rubber plaster,
116/14
Ordway's plasters, 120/47
Pineozone, 111/21
"Polita" steel-polish,
112/73
Pompeian massage-cream,
119/12
"Regesan" ointment, 108/52
Roche's embrocation, 105/74
Sanaglobin, 109/23
Sanitol tooth-brush, 111/22
Schering's pyrogallie acid,
111/361
Suppository moulds, 122/23
Tannobromine, 121/67
Whitall Tatum's goods,
120/370

PHARMACEUTICAL SOCIETY OF IRELAND.

Council-meeting.

THE Council met at 67 Lower Mount Street, Dublin, on February 4, Mr. D. M. Watson (President) in the chair. The following were also present: Dr. Jas. A. Walsh, Messrs. Thos. Batt, Joseph H. Bowden, John Burnett, John E. Connor, J.P., John Smith, James Tate, W. F. Wells, and Patrick N. White, J.P.

GREETINGS.

Mr. FERRALL (Registrar) submitted greetings from the Pharmacy Board of Queensland, the Pharmacy Board of Tasmania, the Transvaal Pharmacy Board, Pharmaceutical Society of Tasmania, and the American Pharmaceutical Association.

CHANGES OF ADDRESS.

Letters were submitted from the following, notifying changes of address:

Thos. B. Foster, Ph.C., to 84 Swan Street, Richmond, Melbourne, Victoria.

Bernard J. Costello, Ph.C., to Terenure Pharmacy, Dublin.

F. A. McCurdy, Ph.C., to Mossel Bay, Cape Province.

D. O. McKinney, Ph.C., to Oldtown Street, Cookstown.

C. R. McMullen, Ph.C., to Annadale Park, Fairview, Dublin.

W. B. Stewart, Ph.C., to c/o Thomas McCarthy & Co., Ltd., Victoria Drug Hall, Londonderry.

C. B. Vance, Ph.C., to G.P.O. Box No. 251, Melbourne, Australia.

Wm. Baxter, R.D., to 36 University Street, Belfast.

G. M. Blakely, R.D., to Sandy Row Medical Hall, 136 Sandy Row, Belfast.

Robert Connolly, R.D., to 6 Carlisle Street, Belfast.

Patrick J. D'Arcy, R.D., to c/o Mr. E. J. Ryan, 1 Lower Gloucester Place, Dublin.

The REGISTRAR also submitted a certificate of the death of Mr. James Ferris, chemist and druggist, Newtownards, co. Down.

PRELIMINARY REGISTRATION.

The following submitted certificates from other bodies, and were admitted to Preliminary registration: Miss Mary A. Hely, Messrs. E. Egan, J. Feely, and R. J. Mullally.

THANKS FOR DONATIONS.

On the motion of Mr. SMITH, seconded by Mr. CONNOR, a vote of thanks was passed for donations from the British Pharmaceutical Conference of the "Year-book of Pharmacy," 1913; from the Austrian Pharmaceutical Society of a booklet in commemoration of the fortieth anniversary of its foundation; and from the Pharmaceutical Society of Great Britain of its Calendar and Register.

REGISTRATION IN AUSTRALIA.

The REGISTRAR read a letter from Mr. Thos. B. Foster, Ph.C., who wrote from Richmond, Melbourne:

"On arrival here I found that the fee for registration here as a pharmaceutical chemist for a registered pharmaceutical chemist in Ireland would in all probability be raised to 5*l.* 5*s.* from 2*l.* 2*s.* as heretofore before long. This is due to the fact that the English Society has raised the fee for a registered chemist here going to Britain and wishing to open shop there. In fact, they were about to charge me 5*l.* 5*s.* here for registration, till I pointed out that the Irish Society was a different body entirely, and I was told then that it would probably be changed soon for them also. You may not have heard of this before, so I thought I would draw your attention to same for the benefit of Irish chemists who may come out here."

MEMBERSHIP.

On the motion of Mr. BOWDEN, seconded by Mr. BATT, the following were elected to membership:

Wm. P. J. Gannon, Ph.C., 3 Lower Sackville Street, Dublin.

Richard B. Woulfe, Ph.C., The Pharmacy, Abbeyfeale.

On the motion of Mr. WELLS, seconded by Mr. TATE, the following were nominated for membership:

Dr. E. F. Flood, Ph.C., 89 Clanbrassil Street, Dundalk.
M. Leahy, Ph.C., Kilfinane, co. Limerick.
Henry F. Moore, Ph.C., 80 Seaclyffe Road, Bangor, co. Down.

Thomas Spratt, Ph.C., c/o Messrs. W. A. Frizelle & Co. Londonderry.

Edward Tanner, Ph.C., c/o Messrs. Hamilton, Long Co., Kingstown, co. Dublin.

REPORTS FROM COMMITTEES.

Reports were received from the following and adopted: The Law Committee, the House Committee, the School Committee, the Certificates Committee, the Declaration Committee, and the examiners upon the Preliminary Registered Druggist, Pharmaceutical Licence, and Pharmaceutical Assistant examinations.

PROPOSED ALTERATION IN DAY OF MEETING.

The PRESIDENT proposed:

"That meetings of the Council, Regulation I. (vid Calendar, 1914, p. 79), be rescinded, and the following substituted therefor:

'The Council shall meet on the second Tuesday in every month, at the hour of 3 p.m., or on such other day or at such other hour as the Council may, by resolution, from time to time direct, and on such other days as the President, or, in his absence, the Vice-President, shall appoint by special summons, to be issued by the Registrar, sent by post to the registered address of each member of Council four clear days before the time of meeting.'

The President said this subject had already been twice before the Council. On the last occasion he did not press the motion to a division. Since then there had been three abortive meetings, and he thought the members of the Council would agree that that state of affairs could not continue, and that the time had come when they must change the day of meeting. He did not think there would be a division on the resolution, because he believed it was now the general opinion that this change should be made. The reason was fairly obvious. Wednesday had been selected by most of the chemists in Dublin for the weekly half-holiday, with the result that a good many of the proprietors themselves took duty on Wednesdays. The contrary seems to have been the case in Belfast, where the proprietors very wisely took the half-holiday themselves. It was to the Dublin members that the Council had to look for constituting the quorums from month to month; and their Belfast and other country friends seemed now to have fallen in with the idea that the day of meeting should be altered from Wednesday. If the proposed alteration were passed by the Privy Council they would experience no more trouble in the future, for the new regulation was so worded that if necessary they could change the day again without reference to the Privy Council. The second Tuesday of the month seemed the most suitable day.

Mr. TATE seconded the motion. He had not been able to see eye to eye with the President when the matter had been introduced the first time, but he had considered the matter since then, and he felt that it would be very wrong on his part in any way to impede the action of the Council by opposing this resolution. Though Wednesday was to him the best day of the week for coming to Dublin, he found that when the matter had been put before other members in Belfast they decided that Tuesday would suit them equally well, and it was suggested that the second Tuesday of the month would be better than the first Tuesday. Taking all the facts into consideration, he was very pleased to be able to fall in with the motion of the President, and he had much pleasure in seconding it.

The motion was passed unanimously, and will be sent to the Privy Council for approval.

This was all the public business.

SUGAR IN THE ORGANISM.—According to a research by Levene and Meyer, of the Rockefeller Institute of New York, the disappearance of glucose noted in even the most carefully conducted experiments with the various tissue extracts is not due to destruction, oxidation, or "combustion" of the sugar, but merely to its synthesis or condensation to compounds of larger molecular weight which do not respond so readily to the analytic methods commonly employed.

OBSERVATIONS AND REFLECTIONS.

By Xrayser II.

More Effective Object-lesson

than the Derby case commented upon by you last week could not have been argued by a committee of pharmacists. The case itself might be summed up in three short sentences: "The doctor did not think that," etc. "The dispenser could not think so," etc. "Death ensued." Incidentally one wonders whether if this had happened in a chemist's shop the doctor would have reserved his remark about "culpable negligence" until after the verdict had been given, and whether "death from misadventure" would have been sought to meet the case. Similarly one wonders again why pharmacists should be forbidden to practice as apothecaries while herbalists are paid by the State for doing so. The editor of "Punch," who appears to share the famous Ward's opinion that a joke now and then improves a comic paper, has, I see, been trying (not very successfully) to make one at the pharmacist's expense. I suggest that more promising matter than he has yet found is afforded by these legal anomalies. I do not know how they will look from the editorial chair, but regarded *sub specie aeternitatis* they must appear sufficiently comical.

Fine-licences

may or may not be open to abuse; medicated wines may or may not be necessary adjuncts to medical treatment; but whatever opinion we may hold with regard to these questions, there can surely be but one with regard to the haphazard way in which the licences are granted or refused. It depends entirely on the constitution of the Bench, upon mere whim or prejudice, or even less honourable motives, what the decision will be in any particular case; the convenience of the public or considerations of abstract justice have nothing to do with it. That I am not exaggerating is proved by a case with which I had something to do a few years since. A pharmacist gave up his licence, and an attempt was made to get it transferred to a neighbour. The Bench before whom the application came consisted at the first hearing of four militant teetotallers. With a fine show of fairness these gentlemen postponed the application until "a more representative" Bench could be formed. They knew perfectly well that they were a majority of the available magistrates, and they all turned up at the next sessions and vetoed the application, the only objection to which came from a body of teetotallers organised as a minister temporarily, resident in the town. This is a snappy extreme case, but such cases ought not to be possible.

The Allocation of the Penny

has already been begun in earnest, and, as might have been expected, the Middlesex Insurance Committee is well to the front. The result of applications for their share of the humble brown from Pharmaceutical and Panel Committees is that each is to receive 750*l.* (per annum, I presume) from the Medical Benefit Fund. This money comes out of the chemists' pockets and the doctors', but if the medical side were to turn the whole loss few people would grumble in view of the revelations as to the immense incomes being made under the Insurance Act in many centres throughout the country. The diversion of the penny will get rid of a tremendous amount of squabbling over trifles, and the insertion of the provision into the amending Act authorising it, for which we have to thank our Parliamentary representative, was due to one of those inspirations which sometimes call flashes of genius.

State Medical Service

has been frequently talked of, but the idea has never yet got beyond the talking stage. Those members of the community who see in Socialism the solution of all our difficulties are naturally in favour of such service, and people who would be scandalised if anyone told them they were Socialists are beginning to think there

may be something in it. An object-lesson that is opening people's eyes is what Mr. Leishman calls "the medical profession's attitude to the Act," which has been anything but friendly, notwithstanding the huge incomes that so many doctors are making—as, for example, in Dundee, Manchester, Liverpool, and some other towns that were mentioned in the daily papers last week. Mr. Leishman was referring to Scotland, but his remarks are equally applicable to many parts of England, in some of which medical men have openly and deliberately set themselves to wreck the Act by over-prescribing, while in others the opposite policy has been carried out of starving the patients of their medicine, and thus throwing additional burdens on the approved societies, for the sake of the "floating sixpence." If the doctors are not going to play the game means will be found to make them do it.

Biblical Examples of the Healing Art

were naturally chosen as subjects for the Chavasse Memorial Window at Bromsgrove. If the designer confined himself to professional practice the window will not be over-crowded, for, excluding the Apocrypha, there are but eleven passages in the Bible in which physicians are mentioned, and the majority of these are unsuitable for illustration in such a window. In Genesis physicians are referred to only as embalmers; Job has a reference to "physicians of no value," which will not do at all; three of the texts are versions of the saying about them that are whole and need not the physician; two refer to the woman who had "suffered many things of many physicians," which Luke (himself a physician) softens to "had spent all her living on physicians." Luke, by the way, is the only Evangelist who quotes the proverb "Physician, heal thyself": probably he had good cause to be familiar with it. This Evangelist figures in the only really suitable text I remember—"Luke, the beloved physician"; and there is even here nothing to show that it was his profession that made him beloved. It was Dean Swift, I believe, who, preaching before the Royal College of Physicians, took for his text, 2 Chron. xvi. 12-13: "Yet in his disease he sought not to the Lord, but to the physicians. And Asa slept with his fathers." I presume this incident is not represented at Bromsgrove; and it seems likely that other branches of the art will have been drawn upon.

The English Advertiser,

says the late Richard Middleton in one of his essays, is inferior in literary style to his French and Dutch neighbours. He lacks the requisite imagination and the light, allusive grace; he has not the delicate art that gives a touch of poetry to their efforts; he is too direct, too obvious, I had almost said too brutal, in his attacks. The proper mode is by suggestion, by an æsthetic appeal; it is not the intelligence, but the emotions and the fancies they breed that we should aim at, for it is on this side that human nature is most vulnerable, most apprehensive. A Dutch catalogue of bulbs, says the essayist, is almost as charming as the flower-beds it describes; the Parisian hawk of fans in hot weather will cry his wares as "little north winds," and the mere phrase brings coolness to the cheek. It is true that in regard to illustrations and printing we in England beat all competitors—I wonder whether the writer had been looking over one of your Winter Numbers?—but our "letterpress" (hateful word!) is pedestrian, and lacking in "joy." This last remark appears to be fatal to any attempt of the pharmacist to achieve literary distinction in his advertisements. It is difficult to impart joy to a puff of liver-pills, and hardly desirable to attempt the realistic effect of the fan-merchant of Paris. And, after all, the object of advertisements is not to make trial of the goods unnecessary, but to sell them, and it is doubtful whether our matter-of-fact method is not most successful with matter-of-fact people.

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Send for Particulars to ARDWICK GREEN, MANCHESTER.

PATENTS AND TRADE MARKS.

There are many worrying difficulties to be overcome in connection with the Registration of Trade Marks and the grant of Letters Patent which members of the Retail and Wholesale Drug Trade can avoid by consulting an efficient agent, who would undertake all the trouble for an inclusive fee and obtain protection in the United Kingdom and abroad. Advice in the first instance free. Pamphlets gratis.

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Editorial Articles.

Insurance Risks.

I. The Art of Pharmacy.

WE use the title in connection with pharmaceutical service under the National Insurance Act, and with reference to some of the side-issues which are affecting prejudicially the practice of pharmacy in Great Britain. There are no two opinions about the fact that chemists and druggists in Great Britain during 1913 and now have had their attention concentrated upon the management of quite a new business, which has come to them consequent upon the introduction of Insurance Medical Benefit. In many instances individual businesses have been completely revolutionised—where the dispensing of physicians' prescriptions was rare prior to January 15, 1913, it is now an hourly occurrence, the opportunity thus being afforded to chemists and druggists of exercising their professional skill and knowledge. At the same time business methods have been improved or modified, bookkeeping has increased in volume, and clerical work generally has expanded enormously. What leisure has been left to leading pharmacists in any locality has been devoted to committee-work, organisation, and other business matters for the benefit of the pharmaceutical service and pharmacists, both local and national. The manner in which all this new work has been done has stimulated the business bent in men who have been accustomed to treat business organisation as secondary to professional aspirations and practice. It may be that one of the greatest services that the National Insurance Act has done to retail pharmacy in this country is the stimulation it has given to bettering the business methods of pharmacy, and the greater attention to expedition all round in the performance of pharmaceutical operations and service. But we begin to think that there is some risk of an overwhelming set-off to these improvements if chemists and druggists, as practical pharmacists, forget or neglect the progress of pharmacy in the technical sense of the term. This week, for the second time in the present winter session, the Pharmaceutical Society of Great Britain has not had an ordinary evening scientific meeting in London. We do not desire to chide those who are responsible for the evening meetings on account of their remissness; the times are perhaps unfavourable to getting

pharmacists to concentrate their attention upon evening tific meetings, but this should not prevent us sound- a warning note. For some years past it has been erved that retail pharmacists in this country have been istributing less and less to the practical side of phar- y, and that the best men among young pharmacists eing drafted into manufacturing and wholesale phar- y; consequently contributions to practical pharmacy, to the improvement of the British Pharmacopœia, come ly from the manufacturing houses. While this is true me extent, the fact remains that much good work has one every year by dispensing chemists, and we sub- that under the National Insurance Act increased oppor- ty is presented to a much larger number of men for g work that dispensing chemists have been in the t of doing for the improvement of practical pharmacy. believe that many provincial pharmacists recognise particularly those who are connected with local Asso- ons, and the feeling exists that the work of these ciations ought not to be entirely devoted to Insurance, isation, and similar work, because there is a risk of becoming pharmaceutically dead. We are expressing ge volume of widespread opinion when we say that, he risk rises superior, it will be bad for British phar- y. And we give expression to an appeal to dispensing aists to use the increased opportunity for pharma- cal observation provided in Insurance dispensing, rder to explain or expound difficulties that arise, or h may suggest improvements in the Art of Pharmacy. feel that there is an opportunity here which may be if the terribly earnest devotion to Insurance Act ad- stration and finance is allowed to divert attention from The example of the Pharmaceutical Society in London, dental though it may be, might be counteracted if the ident joined us in this word of warning. Mr. te is the first pharmacist and graduate in science who filled the presidential chair of the Society, and it ot be gratifying to him that his first session of even- meetings in London should be conspicuous by the nce so far of contributions arising from pharmaceutical riment or research, and abandonment of the regular ings month by month. It is poor business and a bad ple.

January Overseas Trade.

Board of Trade Returns for January 1914 show a satisfactory beginning to the year's export trade, but imports show a decline similar to what was recorded November and December 1913. As is usual in the January "accounts" several alterations are made in classification—*e.g.*, kauri gum, formerly included in "other resins," is now shown separately; nuts and kernels for pressing oils, unrefined palm oil, and unrefined palm-oil are also accorded separate entries. The imports of linseed from Canada (a big producer) are now shown separately.

Imports last month declined by 3,225,222*l.*, or 4.5 per cent., to 66,017,049*l.* By far the largest decline was in raw materials—*viz.*, 4,143,515*l.*—in which group raw cotton alone accounts for 1,063,341*l.*, but this was due to a fall in value, as the quantity brought in was only slightly less. On the other hand, food, drink, and tobacco increased by 1,605,985*l.* more, a marked increase in the values of which is being recorded. The total is 5,041,179*l.*, compared with 3,900,884*l.* in January 1913. This is chiefly due to increased amounts, an indication generally of better conditions in the population, and pharmaceutically of a greater output of animal by-products. Of beef the January im-

ports increased from 627,009 cwt. in 1913 to 718,990 cwt. in 1914, say 15 per cent., but the value increased by 35 per cent.—*viz.*, from 1,041,076*l.* to 1,401,111*l.* Thanks to the beef trust. The imports of pork were trebled compared with January 1913—another indication of more digestive ferments, which, by the way, are getting to be of great industrial importance since leather-curers have found them to be of service in facilitating the production of soft leathers—a circumstance which manufacturing pharmacists should not overlook, as it may affect the future supply of digestive enzymes. This observation on our meat imports is, therefore, pertinent. The imports of manufactured articles declined by 880,626*l.*, and was all-round, the chemicals, drugs, dyes, and colours figures being 1,067,318*l.*, or 68,773*l.* less than in January 1913. In this section the decreases in value amounted to 143,164*l.* and the increases to 74,391*l.* Among the decreases were quinine, down by 53,447 oz. (1,112*l.*), boron compounds by 42,554 cwt. (17,185*l.*), and painters' colours by 56,768 cwt. (9,596*l.*). The increases were brimstone by 31,578 cwt. (7,593*l.*), calcium carbide by 11,924 cwt. (7,515*l.*), saltpetre by 3,722 cwt. (3,610*l.*), tanning bark by 10,771 cwt. (3,499*l.*), and sumach by 3,245 cwt. (612*l.*).

In exports of British goods the increase was 2,360,466*l.*, or 5.1 per cent., the total being 47,806,165*l.* The improvement is shown in all departments of trade: (1) Food, drink, and tobacco being 135,500*l.* more; (2) raw materials 192,576*l.* more; (3) manufactured goods 1,964,532*l.* more; and (4) unclassified goods 67,858*l.* more. The rise in exports of British manufactures is substantial, the only exceptions being cutlery, hardware, etc., electrical goods and apparatus, copper, lead, earthenware, paper, and chemicals. The last group declined by 4,232*l.* only to 2,021,992*l.*, but on further investigation we find that the figures are very satisfactory. No fewer than ten scheduled items show an expansion, as against a decline of five. Quite a revival took place in bleaching-powder for the United States, the exports to that market increasing by almost 10,000 cwt. The soda-compounds group advanced by 115,118 cwt., of which soda ash and caustic soda displayed the greatest elasticity. Medicines continue to do well, being 11,178*l.* up at 225,080*l.*, and included in this item is an advance of 55,679 oz. of quinine, shipments declared as of British make being 156,404 oz. Eliminating the copper-sulphate figures (a "season" article), which were 2,270 tons or 59,635*l.* less, and coal-products not dyes, which were 28,284*l.* less, the whole chemical group showed a well-maintained activity for January, which is usually a dull and uneventful month.

A Premium on "Patents."

ONE of the Harmsworth group of morning papers has recently informed advertising agents and others that henceforth its advertising space for patent-medicine, surgical and medical advertisements will be 25 per cent. higher than when the space is used for the announcement of any other kinds of goods. This looks like a tribute to the selling-power of these medicinal and surgical goods, and it is a point that those who deal in them will not lose sight of. On the other hand, some advertisers are of opinion that the increased rate is due to a desire on the part of the particular paper to exclude advertisements of these goods from its pages; but we are not convinced that our contemporary is ashamed of the advertisements that it has been inserting, or that that 25 per cent. more will stop it blushing, if it ever did. Of one thing we are sure—*viz.*, that manufacturers of medicinal and surgical preparations should not pay for advertising on such an extra-

vagant basis, until they get very good reason for so doing. There is more reason to call for higher rates from advertisers of corsets and similar goods, because they yield a relatively higher rate of profit than medicinal preparations.

Alcohol as Motor-fuel.

DR. W. R. ORMANDY, F.C.S., whose interest in industrial alcohol is now chiefly centred in the possibility of that liquid being used in automobiles, in a recent lecture to the Royal Society of Arts on "Motor-fuels with special reference to Alcohol," gave very little hope of alcohol being produced in this country at a cheaper rate or under less stringent revenue regulations than is the case at present. He mentioned that in the British Colonies 95-per-cent. alcohol can be produced at 3d. per gal. exclusive of cost of plant, fuel, and wages. He suggested further inquiry with a view to alcohol-benzine mixtures being used in motors. He considered that chemists ought to work hand in hand with the Government authorities on the question of denaturants, as to which Mr. Tyrer, in the course of the discussion, stated, on the authority of Sir William Crookes, that there are many more things than wood spirit that can be used for denaturing and "ear-marking."

Insurance Prescription Pricing.

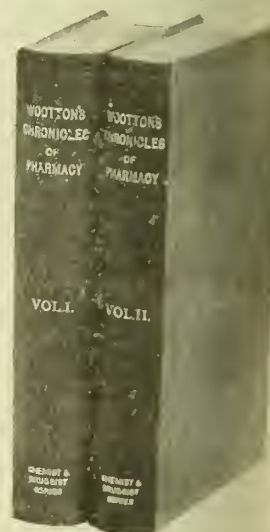
SIGNS of moving with the times emanate more and more from Bloomsbury. Last week the official "Organisation Notes" confirmed the views given in the *C. & D.* of November 7, 1913, on the relationship of Insurance Committees to prescription checking and as regards the administrative expenses of Pharmaceutical Committees. Our expressed opinion on the latter is also corroborated in the Scottish Memorandum published this week (p. 62). On January 10 we commented upon the Middlesex idea of a prescriptions checking staff under the joint control of chemists and doctors, the Insurance Committee also paying part of the cost of checking. This has been adopted at Bloomsbury and improved upon, the fiat having gone forth that with such a checking staff it should be possible for chemists to send in their prescriptions unpriced, the whole operation of pricing and checking being done by the staff. An impartial check of this kind may possess advantages; but we consider that panel chemists should use every endeavour to do their own pricing themselves, and become so familiar with it that pricing of Insurance prescriptions will be treated just in the same way as "totting" up any other account.

Compulsory Working of Patents.

VARIOUS attempts have been made to compel a patentee of an invention to work his patent in the country which gives him his monopoly, this being in accordance with the original intention of the Patent Laws. Up to the time of the Patent Act, 1907, these attempts failed owing to the cumbrous and costly legal processes involved. The method introduced in the Patent Act, 1907, was much simpler, and worked smoothly until the declaration in 1909 of Mr. Justice Parker in the *Hatschek* case, that the applicant who seeks revocation of a patent for non-working under Section 27 must prove that the patentee is not manufacturing the patent article or is carrying on the process exclusively or mainly outside the United Kingdom. This practically annulled the benefit intended to be conferred by Section 27 of the new Patent Act. Since that time the Manchester Chamber of Commerce has been directing attention to the matter, and the stage has been reached that there is a probability that the Government will support any Bill having for its object the restoration of the original intention of the Patent Act, 1907, in regard to compulsory working of patents. The Chartered Institute of Patent Agents have, however, issued a pamphlet entitled "Observations against the Resolution of the Manchester Chamber of Commerce as to Making this Section more Drastic." The Chamber replies to this very effectively. Most people—who are not patent agents—will have little difficulty in agreeing with the views of the Manchester Chamber of Commerce. We hope the amendment of the law which the Chamber advocates will be carried out speedily.

Wootton's "Chronicles."

WE have made an arrangement with Messrs. Macmillan & Co., Ltd., London, publishers of "The Chronicle of Pharmacy," by the late A. C. Wootton, which enables us to offer this book in two volumes, bound by ourselves to subscribers to THE CHEMIST AND DRUGGIST at 7s. 6d., carriage paid in the United Kingdom, or 8s. 6d. post free to any part abroad. The published price of the work is a guinea. The two volumes comprise 770 pages, and are well illustrated. They are precisely as issued by Messrs. Macmillan & Co., bound in maroon-coloured cloth. As the edition is limited, we strongly advise subscribers to order copies promptly, as there will be no other opportunity of getting this most valuable work at the reduced price. Orders for the volumes should be addressed to the Book Department of THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C., and should be accompanied by cheques or postal orders for the number of volumes required.



Wootton's "Chronicles of Pharmacy" to hand. It is the cheapest and most fascinating new book I have ever bought.—*Ph.C.* (114/50).

I beg to acknowledge receipt of "Chronicles of Pharmacy," and am well pleased with contents thereof—a fine monument to our old friend "Xrayser."—*Wallace Price.*

The Microscope in Medicine.

PROFESSOR SIMS WOODHEAD, in his recent presidential address to the Royal Microscopical Society, discussed the subject of the microscope in medicine. He recalled the *post-mortem* examinations undertaken by Antonio Benivieni (died 1502) and of Morgagni (1682-1771) whose work on the causes of disease opened up the way for the microscopist. He also spoke of Leeuwenhoek and his extraordinary work, remarking that in these days of biological chemistry and of theories of immunity men are apt to forget or to lose sight of the path by which we have arrived at our present stage. No great advance had been made as regards knowledge of the functions of the human body, until accurate information had been gained as to their structure, first with the aid of the scalpel and then with the microscope. Cornelius Drebbel is said to have brought the first compound microscope to England from Holland in 1619. Robert Hooke, who first applied the microscope to the examination of the minute structure of plants in 1677, discovered the vegetable cell. Jan Swammerdam apparently observed red blood-corpuscles in 1658. Malpighi (1628-1694) demonstrated the truth of Harvey's theory of the circulation of the blood by tracing its course through the capillaries of the lungs and from one chamber of the heart to the other. Kircher, of Fulda, a Jesuit scholar, priest, and microscopist, in the seventeenth century made the first contribution to the microscopic causes of diseases, but Frascatorius in 1546 presupposed infection by a micro-organism, which he called "seminaria contagionum." Little importance was attached to such observations until Donne in 1837 found vibrios in pus, and his observations led microscopists to take up such studies. In 1840 Jacob Henle concluded that the contagia of diseases carried by air-currents as well as by direct contact must be living organisms.

anthrax bacillus, the largest of the pathogenic bacteria, was observed in 1849 by Pollender in anthrax blood, and again by Davaine in 1850. This bacillus played a prominent part in the new search for causes of disease. The work of Koch in connection with this bacillus, and his discovery of the bacilli of other infections, were the next feature of interest. His revolutionary methods and observations were distrusted at first by philosopher and pedant, until Pasteur took up the tale and fully confirmed Koch's results. In all this modern medicine has been indebted to the microscope and other instruments of precision. Without the microscope should still be making but feeble and ineffectual attempts to stem the death-rate from typhoid fever, cholera, diphtheria, pneumonia, the plague, and many other diseases of animals, plants, and man.

Scottish Nursing Conference.

THE Scottish Medical, Nursing, and Health Exhibition and Conference was opened in the Zoo Buildings, 100 City Road, Glasgow, on Saturday, February 7, by Professor Glaister and remained open until February 11. The exhibition portion of it was good. The numerous stalls were arranged in broad avenues so that visitors could make comfortable inspection of the exhibits. These ranged from the simplest and most familiar preparations for the sick-room to displays of complete model wards. The appended notes refer to those pertaining to the drug and allied trades.

Forlick's Malted Milk Co., Slough, Bucks, had on view a tempting array of their well-known product and ideal food. They also showed their hygienic feeder, which includes, among other advantages, that of being open at both ends, so that it can be flushed under a stream of water. It is graduated.

Wülffing & Co., 12 Chenies Street, London, W.C., exhibited Sanatogen, Formamint, and Albulactin, which, it is claimed, carries us practically to the final solution of the problem of artificial infant-feeding.

Grand & Co., Ltd., Mayfair Works, South Lambeth Road, Lambeth, London, S.W., had a most toothsome display of essence of beef, meat-juices, invalid soups, concentrated tea, savoury meat lozenges, and other preparations of nature to appeal to the poorest palate.

The Radium Co., 166 Buchanan Street, Glasgow, exhibited the Radioactivator, an apparatus for imparting to ordinary water the radioactivity possessed by natural mineral springs.

Curry, Ltd., Lant Street, Southwark, London, S.E., made an exceptionally attractive display of their well-known antiseptic and disinfecting preparations.

Bresillon & Co., Gamage Buildings, London, exhibited castor oil, their pure cold-drawn castor oil without colour, odour, or smell, and Iodeol preparations.

Fairchild Bros. & Foster, Holborn Viaduct, London, E.C., made an exceptionally neat display with their four well-known preparations—Panopepton, Pepsencia, peptogenic milk-powder, and Zymine peptonising tubes. They also exhibited their new food-product, Laibose, composed of the solids of milk and the entire digestible substance of whole wheat meal.

The Saccharin Corporation, Ltd., 10 Arthur Street, London, E.C., showed Dia-malt and Dia-paraffin, which are being much advertised at present.

Chinosol was shown in the form of gauze, lubricant oils, etc., by the Chinosol Hygienic Co., 15 Rood Lane, London, E.C.

Johnson's toilet-powder, the sole agents for which are the Lila Co., Ltd., successors to Lamont, Corliss & Co., Queen Victoria Street, London, E.C., was exhibited in a dignified stand, and near by were the exhibition stands of the "Pharos" sanitary preparations, the "Gospo" antiseptic cleansing-powder, and the products of the Jelloid Co., 205 City Road, London, E.C.

The next group of exhibits made an equally interesting appeal to the visitor. It commenced with Coleman & Co., of Norwich, manufacturers of Wincarnis, which was shown and well demonstrated.

Macfarlan & Co., manufacturing chemists, Edinburgh, London, had a very fine display at Stand No. 2, where they exhibited chloroform and ether for anaesthesia, sterilised medicated surgical dressings, ligatures, etc. The firm has manufactured chloroform since 1848, and their name in connection stands for purity and excellence. They have been identified with the manufacture of surgical dress-

ings for over forty years, and, keeping in touch as they have with modern developments in antiseptic and aseptic surgery, their products have gained and retained the approval and confidence of the medical profession. Excellent examples of the dressings were exhibited, as well as ligatures and nursing adjuncts.

An interesting display was made by Claudius Ash, Sons & Co., Ltd., manufacturers of dentists' materials, Broad Street, Golden Square, London.

The Charles H. Phillips Chemical Co., 14 Henrietta Street, Covent Garden, London, showed their milk of magnesia and other preparations.

Down Bros., Ltd., St. Thomas Street, London, S.E., showed aseptic hospital furniture and surgical instruments.

Nurses were invited to test the preparations of Stephen Smith & Co., Ltd., Bow, London, who showed Hall's Wine, Carvino, and Keystone burgundy.

Virol, Ltd., exhibited their product, which is now used in more than one thousand hospitals and consumption sanatoria. The Glaxo Co. filled the major portion of an annexe with easy chairs and lounges, on which nurses rested and enjoyed a cup of hot Glaxo.

Keen, Robinson & Co., Ltd. (incorporated with J. & J. Colman, Ltd.), showed samples of their mustard, patent groats, medical mustard bran, mustard oil, and sinapisms for catarrh and chest-complaints.

Interesting displays were made by the Angier Chemical Co., Ltd., 86 Clerkenwell Road, London, E.C., and the Kelvinside Chemical Co., Ltd., Glasgow (disinfecting-fluids, soluble carbolic acid, and antiseptic soaps).

Messrs. Frazer & Green, Ltd., Glasgow, made a main feature of their famous lavender-water.

Another prominent display was Vitafer, the now well-known tonic-food of Southall Bros. & Barclay, Ltd., Birmingham; while the Chesebrough Manufacturing Co. were represented by a good exhibit of their vaseline products. There was a good show of aseptic handkerchiefs manufactured by J. T. Powell & Co., Bristol.

S. Maw, Son & Sons, 7 to 12 Aldersgate Street, London, E.C., made an attractive exhibit of surgical instruments and other articles requisite in hospitals and nursing homes. The variety and quality of these goods were particularly noted.

The Anglo-American Pharmaceutical Co., Ltd., Galen Works, Croydon, London, exhibited Huxley's glycerophosphate syrups, analgesic balm, proteid food, sal antiseptic, antiseptic plasma dressing, Duchess Royal vanishing cream, Crème de Luxe tooth-paste, and other preparations.

Hospital and public health appliances were a prominent feature, but cannot be referred to here in detail. Facing the Hospital section was the stand of Duncan, Flockhart & Co., manufacturing pharmacists, Edinburgh and London, who exhibited a wide range of galenicals, including Boraldehyde (a mouth-wash for fever cases) and Delectol (a flavoured petroleum laxative); compressed tablets; capsules, including a variety containing ointments for use in ophthalmic practice; and a selection of organo-therapeutic preparations in which the firm specialise. Baumol preparations and anaesthetics also occupied positions on the stand.

Included in the Public Health exhibit and adjoining the Cinematograph Section was a fine stand erected by the National Cash Register Co., Ltd., showing a model of the factory at Dayton, Ohio. Near by were Bovril, Ltd., and Robert Young & Co., Ltd., 38 Elliot Street, Glasgow, who made a special show of their lubricant antiseptic "Microbene."

Parke, Davis & Co., Beak Street, Regent Street, London, W., made Euthymol tooth-paste the principal feature of their exhibit, along with Euthymol cold-cream and other preparations, together with nurses' sets and a series of preparations which are of special service during convalescence and in malnutrition, such as cod-liver oil and petroleum emulsions, besides a representative selection of the firm's pharmaceutical preparations.

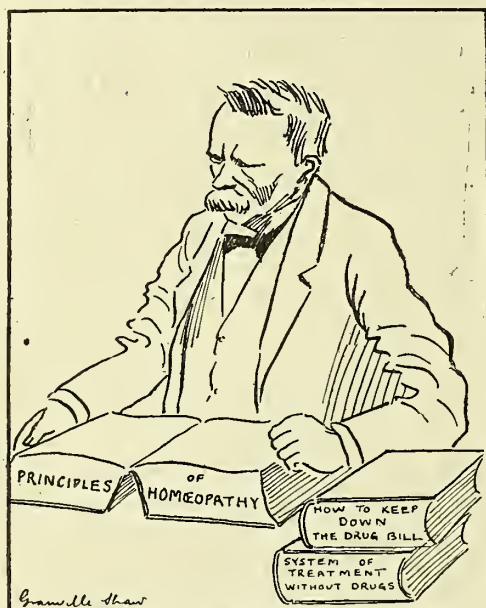
A section of the Exhibition was devoted to historical relics illustrative of the medical work of the ancient Egyptians, Greeks, and Romans, and also of early and middle English medicine. A number of old pharmacy, medical, and surgical instruments were also shown, together with portraits of eminent medical men of the past and prints and books illustrating the history of medicine. To make the Exhibition complete there was a cinematograph section in which was shown a special series of medical and scientific films.

THE Junior Pharmacy Ball on March 11 will take place, as previously announced, in the Portman Rooms, at which the slight alterations required by the District Surveyor have been carried out. The rooms are now in regular use for dancing purposes. (See also Coming Events.)

Insurance Act Dispensing.

A Weekly Record of events and decisions concerning Chemists' interests in Medical Benefit administration and practice.

Medical Benefit Illustrated.



MEDICAL POST-GRADUATE STUDY.
With an eye to the floating sixpence.

Duties and Powers of Pharmaceutical Committees.

The National Health Insurance Commission (Scotland), in Memo. 503 I.C./Scotland, defines the duties and powers of Scottish Pharmaceutical Committees as follows:

1. Under the provisions of Section 33 of the National Insurance Act, 1913, the Pharmaceutical Committee is to perform such duties and exercise such powers as may be determined by the National Health Insurance Commission (Scotland).

2. The National Health Insurance (Panel and Pharmaceutical Committees) Regulations (Scotland), 1913, governing the election of these Committees, provide for arrangements being made by the Commission for the first meeting of the Pharmaceutical Committee and for the appointment of a Secretary, who shall forthwith notify his appointment to the Commission.

3. Having been duly constituted, the Pharmaceutical Committee is to be consulted by the Insurance Committee on all general questions affecting the supply of drugs, medicines, and appliances to insured persons. These matters, which are incorporated in the National Health Insurance (Medical Benefit) Regulations (Scotland) (1913), are briefly outlined below.

PUBLICATION OF PANEL OF CHEMISTS.

4. The list of persons who have agreed to supply drugs and appliances is to be submitted to the Pharmaceutical Committee by the Insurance Committee before issue in any year (Regulation 19 (5)).

PRICES OF DRUGS AND APPLIANCES.

5. The Pharmaceutical Committee is to be consulted by the Insurance Committee in regard to the preparation of the Drug Tariff for ordinary drugs and prescribed appliances, and as to the method by which payment for drugs not included in the Drug Tariff is to be calculated (Regulation 8).

REVISION OF DRUG TARIFF.

6. The Pharmaceutical Committee is to be consulted by the Insurance Committee if it is desired to make alterations on the Drug Tariff or on the terms upon which the supply of drugs and appliances is undertaken (Regulation 13 (1)).

SUBMISSION OF ACCOUNTS.

7. If the Pharmaceutical Committee so require, the accounts incurred for drugs and appliances are to be

submitted to them by the Insurance Committee for examination. The Pharmaceutical Committee will make a report stating which items in the accounts ought, in their opinion, to be accepted, and which, if any, ought to be reduced or disallowed. The recommendations of the Pharmaceutical Committee are binding on the person furnishing the account. If, however, the accounts are submitted to the Panel Committee and any objection is taken by them to any item in any account, or to any recommendation contained in the Pharmaceutical Committee's report, the validity of the objection will be decided by the Insurance Committee (Regulation 39 (2) and (3)).

PAYMENT FOR DRUGS.

8. The sums to be paid to persons supplying drugs and appliances on rendering their accounts in advance of the amounts due to them are to be agreed upon between the Pharmaceutical Committee and the Insurance Committee (Regulation 39 (8)).

EXCESSIVE ORDERING OF DRUGS.

9. The Pharmaceutical Committee may make representations to the Panel Committee where it appears to them that the character or amount of the drugs ordered for insured persons by a practitioner or practitioners on the panel is in excess of what may reasonably be necessary for adequate treatment (Regulation 40 (1)).

ARRANGEMENTS FOR SUPPLY OF DRUGS BY PRACTITIONERS.

10. Where an insured person is resident in a rural area at a distance of more than one mile from the place of business of the nearest chemist, the Insurance Committee may make arrangements for the supply to that person by a practitioner of such drugs and appliances as would otherwise be supplied by a person supplying drugs or appliances, but before such arrangements are made the Pharmaceutical Committee must be consulted (Regulation 12 (1)).

PHARMACEUTICAL SERVICE SUB-COMMITTEE.

11. Every Insurance Committee is required to constitute a special Sub-Committee called the Pharmaceutical Service Sub-Committee for dealing with any complaint made by a person entitled to medical benefit against a person supplying drugs or appliances in respect of quality or failure to supply within a reasonable space of time. Provision is made for the constitution, term of office, and procedure of the Sub-Committee, and for reference to a Joint Services Sub-Committee where, in the opinion of the Pharmaceutical Service Sub-Committee, any matter referred to it involves a question relating to a practitioner on the panel (Regulations 46 and 47).

COMPLAINTS.

12. The Pharmaceutical Committee has the duty of considering any complaint made by a person supplying drugs and appliances against any other such person, involving any question as to the efficiency of the Service, and may apply to the Commissioners to remove from the list the name of the person against whom complaint is made (Regulation 49).

INQUIRIES RELATING TO CHEMISTS.

13. Where an inquiry is held by the Commissioners in pursuance of a representation made to them by the Pharmaceutical Committee or any other body or person, that the continuance of a chemist upon the panel is prejudicial to the efficiency of the medical service of the insured, the Pharmaceutical Committee may appear at the Inquiry by their Clerk or other officer duly appointed for the purpose, or with the consent of the Chairman of the Inquiry Committee by Counsel or Solicitor (Regulations 52-76).

INCOME LIMIT.

14. An Insurance Committee is required to consult the Pharmaceutical Committee before fixing, varying, or abolishing an income limit, and the Pharmaceutical Committee may at any time, by notice in writing, dispute the right of an insured person to receive medical benefit under the Insurance Committee's arrangements on the ground that the income of the insured person exceeds the income limit (Regulation 14 (2) and (3)).

ARRANGEMENTS FOR ADMINISTRATION OF MEDICAL BENEFIT.

15. An Insurance Committee is required to submit its arrangements proposed to be made for the administration of medical benefit in its area to the Commissioners, who, before approving, will consider any representations on the subject made by the Pharmaceutical Committee (Regulation 82).

ADDITIONAL POWERS AND DUTIES.

16. In addition to the duties under the Medical Benefit Regulations above referred to, the Pharmaceutical

in terms of Sub-section 1 of Section 33 of the Insurance Act, 1913, shall perform such duties and exercise such powers as may be determined by the Commissioners.

ADMINISTRATIVE EXPENSES.

Attention is drawn to the provisions of Section 33 (2) of the National Insurance Act, 1913, under which the Insurance Committee, if requested to do so by the Panel Committee and the Pharmaceutical Committee, may be authorised by the Commissioners, out of moneys available for the provision of medical benefit within the area, to pay out of such moneys such a sum not exceeding one penny in all in respect of each insured person entitled to obtain treatment under the Insurance Act, 1913, as may be determined by the Insurance Committee with consent of the Commissioners. It should be observed that neither Committee can make any payment under this sub-section without the sanction of the other. If the two Committees decide to make such a request, it is expedient that they should reach an agreement as to how the amount to be allotted is to be divided.

Welsh Medical Benefit Regulations.

The National Health Insurance (Medical Benefit) Regulations (Wales), dated January 12, 1914, are No. 47 of the Welsh rules and orders, 1914. These are the same as the English Regulations (*C. & D.*, January 31, p. 201), with the exception that the two pages of "arrangements of the regulations" are retained, and under Regulation 41 (re the Central Medical Benefit Fund) the case value for ordinary residents in Wales is determined for the whole of Wales, and not for each county. Otherwise the regulations are exactly the same as in the English Regulations.

Dinner to Dr. C. Addison, M.P.

Lloyd George presided at a complimentary dinner given to Dr. C. Addison, M.P., given by medical men chiefly in recognition of his services to the profession in connection with the National Insurance Act. Among those present were Mr. W. S. Glyn-Jones, M.P., who worked in close hand with Dr. Addison when the measure was introduced into Parliament, Mr. Edmund White, B.Sc., Mr. J. H. Woolcock, and Mr. Frederick Guttridge, chemist, and druggist, Ashford (Kent), brother-in-law of Dr. Addison. The attendance was over three hundred and nearly as many more desired to be present, but could not be accommodated. Dr. Addison's health was very poor, but he was present, and in the course of his speech he referred in detail to the medical profession's attitude towards the Act saying:

"I am, I believe, 22,500 general practitioners in England. The number on the panels to-day, excluding those within any Insurance Committee, but including those who are put on more than one panel—and there are a great many of these—is over 20,000. The vast majority came in January 15, 1913, but since then 2,500 have come in and added their names to those who were on on that date. The names are distributed among them nearly four and a-half times. It sounds a large sum. The average for each is 230l. How delighted the solicitors would have been to get it! In London the average is 330l., in Birmingham 380l., in Manchester 295l., in Liverpool 370l., and in London 230l. Nothing here for drugs, nothing for dispensing appliances. That is net profit. In addition to the 2,000l. is spent in drugs, and there is a balance of about which you have to get to struggle with the question as to who is going to get it. That is for one-third of the population—barely one-third of the population. That the doctors are paid at the same rate for their services and I was told that they would be paid very much more than is how the average remuneration would work out. The average London general practitioner would get 1,000l. a year. In Birmingham he would get 1,100l. a year. In Manchester 900l. a year, in Liverpool 1,100l. a year, in Durham 700l. a year. Some doctors make more, some considerably less, but undoubtedly it is at the level of the remuneration of the profession."

In the toast of his own health, proposed by Mr. Lloyd George, Mr. Addison said he would not think it possible a year ago that he could have said he would not say with impunity—with hundreds of the medical profession.

Reports from Local Centres.

With special reference to the supply of medicines and appliances. See also Winter Session.

Aberdeen.—Cheques in payment of the fourth quarter's accounts of panel chemists have been received, 75 per cent. of the accounts as rendered being paid. The Insurance Committee has thus reserved against an audit of accounts 10 per cent. of the total accounts for the year, the first three quarters being paid less 5 per cent. on accounts rendered.

Banff.—The first meeting of the County Pharmaceutical Committee was held in the County Court Buildings, Banff, on February 4, Mr. Highton, of the Scottish Insurance Commission, presiding. Mr. Jas. Pirie was elected Chairman and Mr. R. W. Garrow (Keith) Secretary.

Berkshire.—Panel doctors not doing their own dispensing are to be allowed to obtain from chemists an emergency set of dressings, etc., the list of articles having been agreed upon by the doctors and chemists. This stock is not to be renewed more than once in twelve months. The question of allowing a copying-fee on prescriptions not supplied in duplicate has been referred again to the Medical Benefit Sub-Committee for further consideration.

Blackburn.—The Commissioners have informed the Borough Insurance Committee that they cannot consent to a proposed dispensing-fee of 1d. for all ointments, or to increase the prices for oil, morrhua. They also disapproved of the inclusion in the Tariff of appliances, disinfectants, foods, trusses, etc., and wines and spirits, as suggested. The Clerk said at Tuesday's meeting that he had amended the Drug Tariff accordingly, and had also deleted the paragraphs headed "Proprietary Articles" and "Proprietary Galenicals." At the same time Mr. R. Lord Gifford, J.P., moved that "In the opinion of this Committee it is desirable that a conference should be held at an early date of those Insurance Committees in Lancashire which anticipate that the Drug Fund and Drug Suspense Fund will be insufficient to pay chemists' accounts in full for the past medical year, to consider the situation and decide what action, if any, should be taken. Also that this Committee take the initiative by calling such a conference, and that it be referred to the Chairman and the Clerk to fix the date, place, and time, and invite such Insurance Committees in Lancashire to appoint two or three representatives to attend the said conference, and that this Committee proceed forthwith to appoint their representatives to attend the same." Mr. Gifford supported his motion by a masterly exposition of the chemists' case for better treatment, pointing out that in such an industrial centre as Blackburn, with many female workers, it is not possible to provide medicines and appliances at 2s. per insured person per annum. Mr. F. Morley seconded the motion, which was also supported by Dr. Greaves, J.P., and Mr. Peel (Chairman of the Finance Committee). It was carried unanimously. Reporting on the doctors' and chemists' accounts for the last quarter of 1913-14, the Clerk stated that he had paid 90 per cent. of the doctors' (5,150l. 19s.) and 75 per cent. of the chemists' (2,064l.).

Booth.—The election of the local Pharmaceutical Committee has now been completed as follows: Part I. (registered pharmacists)—A. Albright, D. Hardie, G. J. Kelly, B. C. Lloyd, G. E. Paddock, A. Royal, T. H. Swinton. Part II. (representatives of electors not entitled to dispense)—Nil. Part III. (others)—A. Hall—all of Booth.

Boston.—The Insurance Commissioners have refused to approve Boston Medical Institute, on the ground that it was not in operation before December 1911.

Bury (Lancs.)—Mr. A. W. Charnley has been appointed Secretary of the new Pharmaceutical Committee.

Dundee.—Local pharmacists, in stating their case for free choice of chemists under Sanatorium Benefit (*C. & D.*, February 7, p. 53), pointed out that since the municipal tuberculosis dispensary opened in July the whole medicine-supply has been in the hands of one chemist, and as the treatment at the dispensary is given on two evenings weekly, as well as afternoons great inconvenience has been caused by patients receiving prescriptions too late and having to travel from all parts of the city and suburbs into the centre the following day to get their medicine. The Association, through their Secretary, would be quite willing to send one collective account. They had done this work until July, in Mr. Leishman's words, "efficiently and well," but so far as they are aware the present contractor charges the Insurance Tariff rates, so that to allow consumptive patients free choice of chemist would merely broaden the basis and be a great convenience to the patients. In accordance with the request, the Public Health Committee decided to recommend that the Pharmaceutical Association should arrange to submit a collective account at the end of the quarter.—Cheques in payment of medicines supplied during

the fourth quarter were posted to Dundee chemists on Tuesday, February 10. Ten per cent. is retained, as before. The delay in payment, of which complaint has been made, will be avoided in future by holding over for three months those accounts which are not rendered within seven days of the end of the quarter.

Essex.—The Insurance Committee on February 10 passed payment of 90 per cent. of chemists' accounts for the quarter ending January 12. It appears that the company chemists are behindhand in rendering accounts, and this is one of the matters which will come before the Pharmaceutical Committee on February 26. The chemists' claims for the quarter amounted to 5,321*l.* 7*s.* 5*d.*, and payments authorised were 4,739*l.* 7*s.* 10*d.*, the balance to be paid after errors have been adjudicated upon by the Pharmaceutical Committee. The largest account ran into three figures in pounds, and the smallest was a single figure in shillings. The "floating sixpence" has only been slightly encroached upon. During the discussion of accounts, a member representing insured persons asked why it was necessary to hold as much as 10 per cent. of chemists' accounts in hand. He suggested that 5 per cent. would meet the case. The chemists' representative (Mr. C. Goode) assured the member that the Pharmaceutical Committee would pass a strong resolution in regard to the matter, and thanked him for his kindly suggestion. The Medical Benefit Sub-Committee's report was adopted. It included a recommendation disapproving of an arrangement between Barking doctors and chemists that prescriptions "could be written and dispensed in accordance with the nomenclature of the British Pharmaceutical Codex." It was pointed out by the Insurance Commissioners on March 18, 1913, decided not to sanction the use of stock mixtures. The attention of the Pharmaceutical Committee is to be called to prescriptions being received not bearing the chemist's stamp, also "to the difficulty which arises in checking prescriptions owing to incorrect numbering, delay in forwarding prescriptions, and to failure on the part of certain chemists to observe in other respects the instructions issued." The Panel Committee's notice is to be drawn to cases where certain proprietary preparations and private mixtures have been prescribed, the Sub-Committee being informed that the number of such prescriptions has considerably increased during the past few months. An item in the accounts is 12*l.* 18*s.* to the County of Essex Association of Pharmacists for Drug Tariffs. The Secretary of the Pharmaceutical Committee has already approached the Insurance Committee in regard to administrative expenses of the Pharmaceutical Committee. As the first Panel Committee did not meet until February 12, it was decided to defer decision until such time as the Panel and Pharmaceutical Committees were prepared with full schemes.

Exeter.—Of the chemists' claims for the third quarter, amounting to 291*l.* 11*s.* 5½*d.*, 237*l.* 2*s.* 7½*d.* has been allowed for 9,480 prescriptions. During the fourth quarter the accounts sent in for 12,009 amounted to 332*l.* 1*s.* 11*d.* The Insurance Committee on February 10 passed payments from the Drug Fund of 377*l.* 13*s.* The new panel consists of seventeen chemists.

Gloucestershire.—There are seventy-nine names on the list of chemists, against eighty last year.

Hertfordshire.—The Insurance Committee on February 2 were informed that the Pharmaceutical Committee had applied for an allocation of a halfpenny per head per insured person for administration expenses. It was stated that the Panel Committee had made a similar application. The Clerk (Sir Charles Longmore) said he did not think that the Committee should allocate so large a sum (about 200*l.*) without having estimates of expenses likely to be incurred by the Pharmaceutical Committee. In answer to the Chairman, the Clerk said that the Pharmaceutical Committee wanted the money to pay for the expenses of a secretary and "to protect chemists' prescriptions," etc. The Committee decided to ask the Panel and Pharmaceutical Committees to submit estimates of any allocation they might ask for.—The County Insurance Committee have again issued to panel chemists and doctors the circular in regard to the prescribing and dispensing of proprietary articles which they first circulated last year (see *C. & D.*, December 20, 1913, p. 67). It follows the lines adopted by the Scottish Insurance Commission.

Lanarkshire.—Chemists on the panel have been paid 4,921*l.* 7*s.* 6*d.* during the year, and there is still a balance outstanding. The prescriptions numbered 81,505, of which 23,613 had been prescribed during the last three months. The average cost per prescription had risen from 7*d.* in the first quarter to nearly 9*d.* Each insured person had on the average required two prescriptions a year.

Lancashire.—The number of dispensing chemists on the panel on January 12 was 665 (against 576 last year), and of "contractors" eighty-three (seventy-three last year). The

Chadderton, Crompton, and Royton Medical Committee desirous that panel practitioners in its area should be able to order a stock of emergency supplies; but the Insurance Committee on February 9 decided in favour of continuing the present practice of supplies from doctors' own stock being paid for at the Tariff rates.

Leicestershire.—The list of chemists contains the names of seventy pharmacists, four contractors, and four approved institutions. It is estimated that the panel doctors receive 4*d.* out of the floating sixpence.

Liverpool.—The new Tariff is "No. 3, from 12th Jan 1914," a useful indication given at the top right-hand corner of the first page. As already stated, this follows the old Tariff, except in a few details. On page 2 we find: "Preparations dispensed for insured persons must conform to the standards of the British Pharmacopœia or British Pharmaceutical Codex respectively." In the body of the Tariff reference is given to the Notes for Dispensing, which are numbered—viz., opposite emplastra, "See para. 3, 31, 32, and 33 of Notes." Under Appliances black type is used to pick out the main kinds of appliances, and there is a reference to appliances on loan (*C. & D.*, January 1, p. 202). The notes for dispensers are the official ones, with the exception of the banned paragraphs. The latter, relating to appliances, foods, disinfectants, wines, etc., are incorporated in a separate leaflet gummed to the back of the Tariff, being indicated by the letters "(a)" to "(f)". That relating to trade-names is as follows: "If drugs known under proprietary trade-names be dispensed when common names of the drugs, as given in the approved list of drugs and appliances, are written by prescribers, charges for the drugs must not exceed those specified in the list. Proprietary brands of drugs cannot be paid for by the Insurance Committee." Regulations 39 and 41 (draft regulations) and paragraphs on late fees and the 1911 formulary end the Tariff proper.

Manchester.—Much discontent is felt by chemists at a "paltry" proportion they have received of their December accounts, some receiving as little as 30 per cent. This is accentuated by the publication in the local Press of statements to panel doctors, of whom 117 receive more than 2*l.* for the year's work, and fourteen (five single-handed and nine partnerships) over 1,000*l.*

Newport (Mon.).—At the first meeting of the Pharmaceutical Committee the following were elected: Chairman, Mr. A. Gratte; Vice-Chairman, Mr. J. W. Philips; a Secretary, Mr. T. J. Badgett. They were also nominated for the Pharmaceutical Service Sub-Committee. The Committee has decided to apply for an allotment of money for the Insurance Committee for administrative expenses.

Northumberland.—The Insurance Committee on February 6 sanctioned payments to chemists in full up to the end of the year, the amount being 1,824*l.* 17*s.*

Portsmouth.—The payments to chemists for the year of the funds for Medical and Sanatorium Benefits are estimated to be 5,200*l.* The number of bottles of medicine stated to amount on the average to three for each of the 58,000 insured persons.

Rochdale.—The Insurance Committee has decided to request chemists and others to stamp each prescription with the date of presentation.

Sheffield.—A public statement made on the year's working of the Insurance Act needs some explanation. Chemists are still anxiously waiting for their balance of 25 per cent. which has been deducted during the year, the figures given being only approximate. The number of prescriptions dispensed is likely to exceed the 500,000 quoted by some M.C.D. and the average price per prescription has increased from 6.04*d.* during the first quarter to 7.88*d.* during the last quarter. This increase is partly accounted for by double prescriptions on one form. Striking an average of 7*d.* per prescription, it would appear the Drug Fund, on the basis of 163,016 insured persons, would be sufficient to pay chemists' accounts in full, with a little to spare. The deductions for institutions, etc., make it doubtful if the Drug Fund will be sufficient, but chemists hope that deductions (if any) from their accounts will be small. The Insurance Committee have referred the question of a new form of prescription-book to the Panel and Pharmaceutical Committees.

Staffordshire.—Mr. G. Cope, on behalf of the chemists at Leek, had complained of a panel practitioner taking ½*d.* from insured patients and supplying them with medicine. The doctor, on being asked for an explanation, admitted taking ½*d.* per week from a small number of insured patients at the latter's request. The Insurance Committee on February 7 decided to inform the doctor that the terms of his new agreement preclude him from taking any payment whatever from his insured patients.

Ke-on-Trent.—The Insurance Committee met on January 5, when Mr. George Townsend asked if the Chemists had arranged with the chemists and doctors that prescriptions should not exceed a certain amount in value per insured person. It was stated that no such agreement had been made, nor had chemists and doctors one among themselves. Mr. Edmund Jones remarked that a doctor need not withhold any drug which in his opinion was necessary, but he might be called upon to show grounds why it was used. The Pharmaceutical Committee and Medical Committee were investigating prescriptions at present, and there had been cases where things of great value had been presented when the same result could have been obtained with drugs costing less. Dr. Hinton Hind thought that an instance cited by Mr. Jones, where the panel doctor had withdrawn from treatment on the ground that he was limited by the cost of prescription, related to a proprietary drug at a cost a great deal more than the article would have cost from the Pharmacopœia. Chairman (Alderman Brookhouse) said it was well understood that proprietary articles which were outside the list were not to be prescribed. He knew there was a case that if a doctor thought such drugs would be serviceable they could be ordered. This was not so. It was not for the doctors to order anything and everything which could be found in a pharmacist's shop. Mr. Edmund Jones, chemist and druggist, inquired into the progress of the committee as regards prescription-checking in order to ascertain what drugs chargeable to the Sanatorium Benefit Fund had been charged to the Drug Fund. The Clerk stated that two clerks were doing nothing else, and the work would not be completed for another week. Mr. Jones stated that the attention of the Medical Committee be called to the fact that some medical men still fail to mark clearly sanatorium prescriptions. A suggestion that a sum transferred from the Sanatorium Fund to the Drug Fund to certify the accounts was supported by Mr. Jones, who stated how this had been done in London. The Chairman said he would be glad if the Committee would let the matter stand over so as to be able to get something like a complete financial statement for the next monthly meeting. He should prefer to leave the matter until they had the full twelve months' statement, so as to be prepared to find and find some means of clearing up the chemists' accounts for the past year. He was hopeful that this year's balance would come out on the right side. The following recommendations were adopted:

That all chemists be required to send in their accounts by the beginning of the month.

That the clerks examine the accounts and ascertain the number of prescriptions or scrips and the number from each chemist; the total amount of the accounts and of each chemist's accounts; the average cost of each prescription or scrip for all chemists and the average cost of each prescription or scrip of each chemist.

That cards be kept, one for the whole area of the county, one for each district, and one for each chemist, showing drugs and appliances, showing the number of prescriptions or scrips for each month, the total of monthly accounts and after adjustment, and the average cost of each prescription or scrip before and after adjustment.

That a qualified chemist or dispenser or someone accustomed to dispensing be employed to examine batches of prescriptions or scrips from each chemist's account, paying more particular attention to the accounts in which the average price of prescription or scrips is high, or investigating on any particular lines to be desirable as experience is gained.

That when any items are found to be wrongly priced or charged for which cannot be paid out of the Drug Fund, a note made on the scrip, and these placed at the front of each chemist's bundle of scrips, the chemist concerned to be notified with and given an opportunity of seeing the scrip and making the correction.

That in all cases where more than 5 per cent. of the prescriptions are wrongly priced the accounts be returned, with a note that they be corrected at once and sent in again.

Recommendation that the Committee employ in the central office someone with technical knowledge as regards prescriptions and chemists' accounts was deleted.

Les.—In a report made to the Newport (Men.) Insurance Committee on February 4 it was stated that there are 1,000 chemists and 996 doctors on the panels in Wales and South Wales.

Manchester.—The Insurance Committee has authorised the Sub-Committee to deal with any applications from chemists for an advance payment in respect of the current year. The balance of the chemists' accounts for last year will be paid as soon as the amount available in the Drug Fund has been ascertained.

West London Pharmacists' Association.—A whist-drive evening will be held at Stanley's Restaurant, Lavender Hill, on February 25. Tickets (2s. 6d. each) from Mr. E. A. Jones, Hon. Secretary, 71 East Hill, S.W.

FESTIVITIES.

C.A.A. Social.

The social evening held at the Bonnington Hotel, Southampton Row, W.C., on February 5 attracted a smaller attendance than on previous occasions. The usual games were indulged in. The label-writing competition was also continued.

Whist-drives.

The Ealing Pharmacists' Association held its first whist-drive at Buol's Restaurant, Ealing, London, W., on February 11, when upwards of one hundred members and friends were present. Twenty-four games of whist were played, and the prizes, which were presented by Mrs. Westen (Ealing), were won as follows: *Gentlemen*—Messrs. Harrison, Richardsen, and Seett; *Ladies*—Mesdames Hearne, Dawkins, Smith, and Seward. The arrangements, entirely successful, were in the hands of the President (Mr. E. F. Strickland) and Messrs. Roberts, Westen, and Udale. Messrs. J. Townsend & Sons (Exeter) supplied the scoring-cards.

A highly successful whist-drive and dance, promoted by the Scarborough and North Riding Association of Pharmacists was held at "Brooklands," Esplanade Gardens, on February 4, when over 140 ladies and gentlemen were present. The first portion of the evening was devoted to a whist-drive, in which the whole company took part, and prizes were presented by Mrs. T. W. Longdin to the following winners: *Ladies*—Miss R. Newton, Miss Morley, Miss Greenlay, and Miss A. Berry. *Gentlemen*—Mr. Triffitt, Mr. Davy, Mr. H. H. Lett, and Mr. R. C. Brown. After supper dancing was commenced, and continued till two o'clock. For those who did not desire to dance a second whist-drive was arranged in the lounge. The prizes for this were distributed as follows: *Ladies*—Mrs. Walton, Miss Lott, and Mrs. Clough. *Gentlemen*—Mr. Clough, Mr. W. H. Snellball, and Mr. W. H. Newton. The duties of M.C. were discharged by Mr. T. W. Longdin for the whist-drives, and by Mr. W. H. Cewper for the dance.

Dinners.

The members of Beot's Recreation Club held their annual dinner at Hudson's Restaurant, Sheffield. Mr. T. W. Hodges (the President) occupied the chair. About sixty people were present, including as guests Mr. J. C. Boet, Mr. and Mrs. Waring, Mr. Milne, Mr. T. S. Ratcliffe, Mr. W. A. Thompson, and Father Hayes. The last-named proposed "Success to the Company," to which Mr. J. C. Boet responded. Mr. Waring gave the toast of "The Recreation Club," and the Secretary (Mr. E. G. Deuthwaite) replied. Mr. H. S. Bellamy gave "The Guests," and Mr. T. S. Ratcliffe (Nottingham) responded. The toast of "The Ladies" was left in the hands of Mr. Kenworthy, and Mr. T. H. Coates (Manchester) replied.

Mr. G. CLARIDGE DRUCE, M.A., Ph.C., as a member of the Oxford City Council, Chairman of the Sanitary Committee, and Vice-President of the Public Library and Insurance Committee, entertained at a banquet in Magdalen College on February 6 a number of guests in honour of the election of the Rev. W. G. Sherwood, M.A., to the Mayoralty, to mark the occasion of the first University Mayor. Among these present were the President of Magdalen College, the Professor of Poetry, the Vice-President, Professor N. A. Smith, Bishop Mitchinson (Master of Pembroke College), the Provost of Oriel, Professor S. Vines, Alderman Sir Robert Buchell, Aldermen Carter, Ansell, Twining, F. Rynan Hall (Senior Magistrate), Dr. Sidney Bell, the Public Orator, the Sherardian Professor of Botany, Rev. J. Thompson, Rev. E. Cronshaw, and H. P. Hansell. The toast of "The Mayor" was given by the President of Magdalen, and that of Mr. Druce by Professor Vines.

The most successful social gathering in the history of the Croydon Pharmacists' Association took place on February 4 at the Greyhound Hotel, Croydon, when a company of nearly a hundred assembled for the annual dinner. The President (Mr. R. Lloyd-Griffiths, F.L.S.) occupied the chair. In addition to the members, the following representatives with their lady friends were present: Mr. Royle (Ingram & Royle), Mr. F. W. Ashton (Idris & Co., Ltd.), Messrs. Carr and Milner (Sangers), Mr. G. A. Tocher (Duncan, Flockhart & Co.), Mr. Pinto Nash (Parke, Davis & Co.), Mr. Arrowsmith (Apollinaris & Johannis Co., Ltd.), Mr. Bailey (Townsend & Son), Mr. Cleghorn (A. H. Cox & Co.), Mr. Mellish (D. W. Gibbs & Co.); also representatives of Wright, Layman & Umney, Ltd., The British Drug Houses, Ltd., Ford, Shapland & Co., Denoual & Co., and F. S. Cleaver & Son. After dinner there followed a

whist-drive, at which the prize-winners were: *Ladies*—Mrs. Cleghorn, Mrs. Bailey, Mrs. Arrowsmith, and Mrs. Dolton; *Gentlemen*—Mr. J. L. Barnes, Mr. W. H. Dea, Mr. Milner, and Mr. Mellish. A vote of thanks was accorded the President and Mrs. Lloyd-Griffiths, and the President suitably replied.

THE annual dinners of the Peterborough and District Association of Pharmacists are notable events in that district, chemists coming into the city from the more important towns in the neighbouring counties, and gathering on the occasion at the Grand Hotel. Last week's dinner on Thursday evening, February 5, was no exception to the rule; in fact, it was a bit above the ordinary, as the principal guest of the evening was Sir Richard Winfrey, M.P., Mayor of Peterborough, this being his first public appearance at a pharmaceutical gathering since King George intimated his intention of knighting him. The Association's annual meeting had been held in the afternoon (see p. 58), and, although Mr. Cornelius Bayley, of Uppingham, had been elected President, his immediate predecessor (Mr. J. G. Sturton) occupied the chair. He was supported on the right by Sir Richard, Mr. F. A. Rogers, and Councillor Williamson; and on the left by Mr. Campkin (Vice-President of the Pharmaceutical Society), Mr. Woolcock, and Mr. Bayley. Among others in the company were Messrs. J. S. Prior, F. W. Whitwell, H. E. Noble (Secretary), Frank Sturton, T. J. Calcutt, A. C. Taylor, J. W. Bodger, H. S. Turner, W. R. Girling, A. Lansell, C. Hanson, W. T. Mellows, J. Milbourn, R. T. Falkiner, A. Dickens, R. Cooper, S. Busby Cox, S. Page, J. Bodger, W. A. E. Attwood, H. L. Blake, H. Skells, Jenkins (Allen & Hanburys, Ltd.), Attwood (Harker, Staggs & Morgan, Ltd.), Mote (S. Maw, Son & Sons), G. H. Strutt (Hodgkinson, Prestons & King), F. Calder, W. J. Aines (Sangers), and Bennett. After dinner and the loyal toast, the Chairman proposed "The Houses of Parliament." He expressed the feelings of all present, of whatever political opinion, in sincerely congratulating Sir Richard Winfrey on his honour. They felt an additional pleasure because he was originally a member of the craft to which they belonged. They were deeply grateful to him for the able and masterly manner in which he had rendered service in Parliament to the cause of the pharmacists. The toast was well received, and Sir Richard Winfrey replied to it in a reminiscent speech which dealt solely with his pharmaceutical and public career since he was apprenticed to a chemist in Stamford, acted as junior for two years elsewhere, then went to Muter's for the Minor and Major, which passed, he entered his name on Bell's books for the first vacancy, taking *locum* work meanwhile until the vacancy occurred. Then there were years in the old Oxford Street pharmacy, until in 1885 Sir Richard abandoned the pestle for the pen and politics. He next spoke about the Pharmacy Bill of 1889, when the Pharmaceutical Society attempted to get powers to enforce a curriculum. This he opposed strongly, as there was no *quid pro quo*. (See his address on the subject in the *C. & D.*, March 30, 1889, which was afterwards circulated as a pamphlet, from which Sir Richard now quoted.) Continuing, he said the Act of 1903 was in advance of anything they had before. In the concluding remarks of a most delightful speech, Sir Richard assured the company and the craft at large that so long as he is in public life and has health and strength he will always be at the disposal of those who belong to the craft with which he had been associated. "I do not want the new honour to make the slightest difference," he remarked. "I am not ashamed of the rook from which I was hewn, but I am proud of it." "The Pharmaceutical Society" was then proposed by the President-elect, and responded to by Mr. Campkin, whose wealth of quotation astonished those who are not familiar with his facility in that regard. Then came "The Benevolent Fund," which was proposed by Mr. Bodger, who circulated a collection-box which he handed to Mr. Rogers as Chairman of the Benevolent Fund Committee of the Pharmaceutical Council; and Mr. Rogers, after a feeling reply, opened the box and found that it contained 2l. 9s. 6d., or 2s. more than last year. "The Town and Trade of Peterborough" was proposed by Mr. Woolcock, and Sir Richard Winfrey and Councillor Williamson replied; while "The Continued Success of the Peterborough Association" was proposed by Mr. MacEwan, and the Chairman acknowledged. Finally, "The Visitors" were honoured, on the proposal of Mr. J. S. Prior, and at the stroke of eleven the Assistant Town Clerk (Mr. Mellows) succeeded in getting in his reply after Mr. Lansell had spoken. The programme of music gone through during the evening was excellent; the brothers Whitwell (three sons of Mr. Frank Whitwell) rendered two pieces—the eldest on the piano, the second on the violin, the third—a boy of twelve—on the flute. They played charmingly. Songs were sung by Mr. Harold Turner, of St. Ives (who rivals Lewis Sidney in comicality), Mr. R. Cooper, and Mr. Noble, Mr. Girling and Mr. Blake accompanying on the piano.

THE first annual dinner of the London County Pharmacists' Association was held on February 5 at the Restaurant, Oxford Street, London, W. Mr. Edmund W. (President of the Pharmaceutical Society) was in the chair, and the chairmen of the spur-tables were Mr. J. Marshall (Western Pharmacists' Association), Mr. Skinner (North London Pharmacists' Association), Mr. Keall (S.W. London Pharmacists' Association), Mr. W. Sayers (S.E. London Pharmacists' Association), Mr. I. Field, and Mr. J. Thompson. Supporting the Chair were Mr. W. S. Glyn-Jones, M.P., and Mrs. Glyn-Jones, Dr. Welply (Secretary of the London Panel Committee) and Mrs. Welply, Mr. T. Batey (Clerk of the London Insurance Committee) and Mrs. Batey, Dr. and Mrs. MacMurty, Dr. H. S. Revell, Dr. H. H. Mills (Vice-Chairman of the Medical Benefit Sub-Committee) and Mrs. M. Dr. B. A. Richmond (Chairman of the London Panel Committee) and Mrs. Richmond, Mr. T. H. W. Ides, Mr. Turner Ewing, M.A., and Mr. A. Proctor Atkins (Duncan, Flockhart & Co.), Mr. G. A. Tocher (Hon. Secretary of the London County Pharmacists' Association) and Mrs. Tocher. Among the others present were representatives of Allen & Hanburys, Ltd. (Mr. Harold Lynn), Burgoyne & Co., The British Drug Houses (Mr. R. Harvey and Mr. Piper), Apollinaris & Johannis, Ltd. (A. R. Arrowsmith), S. Maw, Son & Sons (Mr. R. D. Dix), Mr. T. M. Ford, Mr. S. C. G. Tweedie, and Mr. A. Britten, Corby, Stacey & Co. (Mr. F. M. Fitzgerald), Mr. A. W. Killick, Sangers (Mr. C. S. Present, Mr. H. Smith, and Mr. S. Carr), Parke, Davis & Co. (Mr. Hickey), Menley & James, Ltd. (Mr. F. W. Cross), Holland, Sutton & Co. (Mr. Tebbutt), Wright, Layman, Unney, Ltd. (Mr. J. C. Unney and Mr. T. R. William), T. Kerfoot & Co. (Mr. Pearson), R. Blackie, A. H. Co. Ltd. (Mr. Cleghorn), S. Kutnow & Co. (Mr. S. Kutnow and Mr. H. S. Kutnow, B.A.), Mr. J. E. Lockyer, Mr. Berliner, and Ingram & Royle (Mr. J. Royle). Other present included Mr. Percy Trick, Mr. J. Morrison, Mr. W. H. Goy, Mr. F. H. Glew, Mr. W. Browne, Mr. J. Barrett, Mr. Hugo Woolf, Mr. H. R. Procter, Mr. C. Allen, Mr. R. E. Lownsbrough, and Mr. A. R. Melhuish. Altogether there were nearly two hundred ladies and gentlemen at the dinner. After dinner, the toast of "The King" was drunk, and then Mr. John Keall proposed "The Pharmaceutical Society," stating, in the course of his remarks, that the membership is not so representative of pharmacists behind the counter as it should be. The Society has not received a mandate to organise the trade—a side of pharmacy which has not been altogether looked after hitherto. Mr. E. White, in replying, said he recognises Mr. Keall as embodying the new spirit of the age. The Society intend to look after the interests of chemists, and in regard to his (the speaker's) work, he endeavours to conduct the Society's business as though it were his own. The next toast,

"THE LONDON INSURANCE COMMITTEE,"

was proposed by Mr. W. S. Glyn-Jones. Referring to remarks of the Chairman regarding the Government, he said that pharmacists in the future will remember that the Government which happens to be in power is the one which brought them nearer to the ideals and aspirations of pharmacy. The Association owes its origin to the London Insurance Committee, in that an organisation was required to cover the area under that Committee. When it is considered that there are in the area a million and a half insured persons, it is marvellous how the Committee manages to get through the work. London chemists are familiar with the name of Mr. Thomas Batey—(hear, hear)—and no doubt will be glad to be acquainted with other names in the same way. Chemists who are acquainted with doctors' handwriting will appreciate Mr. Batey's difficulties, although he (the speaker) had been told that doctors' wives often make out the lists of panel patients. It is interesting to note that doctors and chemists now co-operate by Act of Parliament, and this has already led to improved relations and has been to the advantage of all concerned. Mr. T. Batey, in reply, said he was proud to be associated with the inception of an Act of Parliament which directly benefits more people than any other Act on the Statute Book. Although he had been a public official for twenty-five years, he did not claim to be a public man, but he consented to be present because of the opportunity it gave him of conveying a message to chemists. The Committee has always tried to work harmoniously with all parties, and that would be the case with the new Pharmaceutical Committee which has just been elected to represent chemists. His relations with chemists had been of the most cordial kind, and it is a significant fact that the Insurance Commissioners did not at the beginning provide any machinery for dealing with complaints against chemists such as was set up for another profession. Whether this was accident or design he could not say.

knew from experience that there has been hardly necessity for such provision in the case of chemists. The chemists to co-operate with the Committee in settling accounts promptly, so as to facilitate the checking and payment. There have been more than five and a quarter million prescriptions sent in to the Committee, and yet the Committee has been able to pay accounts as promptly as any other large Committee. Mr. Herbert Skinner proposed the toast of "The Medical Profession," whom he spoke of as the best of fellows; and Dr. H. H. Mills replied. He referred enthusiastically to the benefits the Act confers upon the nation, and said that he hoped before long to see the medical service the best in the world. Linking up the hospitals and the abolition of overcrowding and underfeeding have yet to be accomplished.



GEORGE ALEXANDER
TOCHER,

Secretary of the County Pharmacists' Association and the Pharmaceutical Committee for 1913, was born in Aberdeen in 1878. He was married to his brother, F. Tocher, formerly head, and passed the year 1905. Since his marriage he has held office in Newcastle-on-Tyne, Birmingham, London, and is now in the metropolitan area. He has held office of Chemists' Assistants' Association.

tion by London chemists of Mr. Tocher's work. Mr. Tocher suitably acknowledged. Mr. Sayers proposed the toast of "The Visitors," and Dr. A. Welby replied. There was a good musical programme during the evening.

WINTER SESSION

Meetings of Trade Associations.

are reported under "Insurance Act Dispensing" when the subjects pertain chiefly to that Section.

Leeds Meeting of the Pharmaceutical Society, representative of the Yorkshire area, was held at the Grand Hotel, Leeds, on Wednesday afternoon, February 11, P. Sargeant presiding. The meeting was addressed by W. J. Uglove Woolcock and Mr. E. T. Neathercoat. An evening successful smoking-concert took place, and presided over by Mr. Sargeant. The programme was addressed by Messrs. H. C. Senior, J. Pyrah Houghton, Cunniff, Sawyer, Britton, Parks, R. Broadhead, and Stanley. The proceedings a collection was taken on behalf of Pharmaceutical Benevolent Fund. After this was done, Mr. Sargeant announced the receipt of a sum of over 40*l.*, and the announcement was greeted with applause.

Crewe.—The annual meeting of the Crewe and District Chemists' Association was held at the Brunswick Hotel on January 21, when the following officers were elected: President, Mr. Aston; Vice-Chairman, Mr. Young; and Secretary, Mr. R. Andress.

Blackpool.—The annual meeting of the Blackpool and District Pharmacists' Association was held at the Palatine Hotel, Blackpool, on February 6. Mr. D. J. Bailey in the chair. Messrs. Boothroyd, Blackhurst, Clarke, Downing, Huddart, Johnson, Kershaw, Laurie, Mayson, Sankey, Turver, and Withers were also present. Hon. Secretary (Mr. J. W. Huddart) presented his report of the year's working, which was adopted. The Hon. Treasurer (Mr. H. P. Withers) presented a financial statement which showed a balance in hand of 5*l.* 0*s.* 9*d.* This was adopted. The following officers were elected: President, Mr. J. W. Huddart; Vice-Presidents, Messrs. Johnson and J. Laurie; Hon. Secretary, Mr. D. J. Bailey; Hon. Assistant Secretary, Mr. G. A. Clarke; Hon. Treasurer, Mr. W. L. Mayson; Hon. Auditors, Messrs. Blackhurst and R. H. Speight; Committee, Messrs.

Boothroyd, Greenwood, Sankey, Turver, and Withers; Drug Sub-Committee, Messrs. Huddart, Bailey, Clarke, Boothroyd, and Laurie. The President and Vice-Presidents were empowered to nominate a Divisional Secretary when the occasion arises, Mr. Turver having intimated his desire to retire from the office at the next election. It was decided to nominate again Mr. D. J. Bailey as the pharmacists' representative on the local Insurance Committee when the new Committee is formed. The officers for the past year were cordially thanked. An ordinary meeting followed, at which Mr. Boothroyd urged upon panel chemists the necessity for prompt rendering of their accounts for Insurance dispensing, in order that the arrangement made with the Insurance Committee for the payment of accounts every six weeks can be maintained. It was decided to circulate the panel emphasising these remarks. Mr. Farnworth and Mr. Furness, both of Ansdell, and Mr. McGregor, of Taylor's Drug Co., Ltd., South Shore, were elected members. A discussion as to who is responsible for the omission of dates, patients' addresses, etc., on Insurance prescriptions arose, and the matter was referred to the Drug Sub-Committee for settlement.

Chemical Society.—Only two papers were read at the ordinary scientific meeting of this Society at Burlington House, London, on February 5. They were of little interest to pharmacists. The first, by Mr. C. Smith, called in the aid of a molecular surface-energy method to settle the question of the existence of racemic compounds in a liquid state. This tended to confirm the view that the *d,l* forms of racemic compounds are mechanical mixtures. The second communication, by Mr. G. W. Andrew, related to the water-gas equilibrium in hydrocarbon flame. This shows that the equilibrium with hydrocarbons burnt in excess of oxygen is rapidly adjusted down to 1,500°, although the cooling curve is very slow compared with the initial rise on ignition.

Chesterfield.—A meeting of the Chesterfield Pharmacists' Association was held on February 10 at the Hôtel Portland. Mr. C. H. Twelves was in the chair, and there were ten members present. Mr. Denwood acted as Secretary in the place of Mr. J. H. Toplis, who is ill. The members discussed the coming Shopping Festival, and arrangements were made for the whist-drive and dance. Mr. W. Brinson, jun. (Burgoyne, Burbidges), was elected an hon. member.

Dewsbury.—A meeting of the Dewsbury Pharmacists' Association was held on February 9, Mr. G. N. Gutteridge (President) in the chair. There were eleven other members present. It had been arranged to oppose the grant of a licence for the sale of medicated wines by the Ossett Co-operative Society, but at the last moment the application of the Society was withdrawn. Mr. Pickard introduced a discussion on the working of the National Insurance Act in so far as local chemists were concerned. He said it is advisable that the Divisional or District Committees should be alert and watchful as regards the interests of chemists. Mr. Pickard raised the question of the late hours chemists' shops had to remain open because doctors saw patients so late in the evening; and Mr. Barker referred to the question of "repeats." Mr. Pickard mentioned, with regard to the question of the mile-limit, that it is likely to create a lot of bother if doctors treat patients when there is a chemist on the panel within the mile radius. Some of these matters are to be brought to the notice of District Committees.

Edinburgh. A meeting of the Edinburgh and District Chemists' Trade Association was held at 36 York Place, Edinburgh, on Friday, February 6, Mr. Archibald Currie (Chairman) presiding. Mr. Adam Duncan was unanimously elected Vice-Chairman, and Mr. James Dick, 16 Parsons Green Terrace, Edinburgh, was unanimously elected Hon. Secretary. Mr. W. S. Glass submitted the report of the Pharmaceutical Insurance Committee for Edinburgh, which has now been superseded by the *Statutory Pharmaceutical Committee*. Mr. Peter Boa has been elected Chairman, and Mr. John Muir, 7 Crichton Place, Leith Walk, Edinburgh, Secretary. The report was adopted, and the Committee, particularly Mr. Glass, thanked. A letter from Mr. Rutherford Hill was submitted, which embodied a suggestion as to the desirableness of forming a *Lothians Pharmaceutical Association*, which would include the Edinburgh Association, the Leith Association, and the Executive Committees for the counties of Mid Lothian, East Lothian, and West Lothian. This was in consequence of Insurance Act matters. The idea was that each area should retain its individuality, and that the Association or Executive should deal with all matters arising within the area, either in regard to Insurance work or the general interests of pharmacy. After discussion, Mr. Muir moved, and Mr. Murray seconded, that the meeting approve the suggestion, with a view to a joint conference of all the pharmacists within the area, at which the scheme might be considered and

formally adopted. This was agreed to. The Chairman submitted a draft *Organisation Scheme for Scotland*, issued for consideration by the Pharmaceutical Standing Committee (Scotland). The scheme provides for setting up a General Council of Panel Chemists, to include the Chairman and Vice-Chairman of the Executive of the North British Branch of the Pharmaceutical Society *ex officio*. It also includes the election of an Executive Committee of fifteen by the General Council to constitute the Pharmaceutical Standing Committee (Scotland), and to include the Chairman and Vice-Chairman of the Executive. Mr. Rutherford Hill explained the scheme, and it was unanimously resolved to approve of it.

Great Yarmouth.—A meeting of the Great Yarmouth Pharmaceutical Association was held on February 5, the President in the chair. Eight members were also present. A letter was read from the Clerk to the Insurance Committee, asking that accounts, including Sanatorium accounts, should be made up to and inclusive of the 11th of each month. A copy of a letter from the Commissioners was also received, pointing out the difference in prices for supplies for Sanatorium Benefit, and suggesting that these should be at Tariff rates. The President reported on his visit to the conference in London. The arrangements for the annual dinner in March were left to the committee.

Hertfordshire.—A meeting of the Watford and District Pharmacists' Association was held at the Lime Tree Hotel, Watford, on February 4, at 3 p.m., Mr. W. Hannaford (President) in the chair. Messrs. J. P. Sholl, B. Middleton, Samways, A. W. Barker, H. E. Wood, C. E. King, J. Roberts, H. Page, Sumner, A. Marshall, Cripps, and the Hon. Secretary (Mr. D. W. E. Barker) were also present. The Secretary reported that the new Tariff for Insurance dispensing has been generally approved throughout the county. On the motion of Mr. Middleton, it was agreed that arrangements should be made for a series of lectures and debates for the coming session. It was also decided to hold a social evening and whist-drive in March. It was further suggested that a summer outing in June or July might be arranged.

Hull.—The monthly meeting of the Hull Pharmacists' Association was held on February 10 at the Grosvenor Hotel. The President (Mr. T. W. Robinson) was in the chair. There was a large attendance. Mr. Smith gave a report of the Conference of Local Associations in London. Mr. T. Smith, it was reported, had been appointed Chairman and Mr. Staning Secretary of the Pharmaceutical Committee. Messrs. Smith, Earle, and Robinson, with Mr. Staning (*ex officio*), were appointed as a sub-committee. Mr. Smith then introduced the question of the contract for the drug-supply to the workhouse, for which local retail chemists had no opportunity of sending tenders. It was resolved to call the attention of the Guardians to the present state of affairs. Mr. Selle referred to the need of a local Pharmacopœia, upon which subject he proposes to read a paper before the Association. Mr. E. C. Barker (Parke, Davis & Co.) was elected a member of the Association. Mr. Staning reminded the meeting that accounts under the Insurance Act are made up to the 11th inst., and should be rendered as soon as possible after that date.

London.—The members of the Western Chemists' Association met at the Restaurant Frascati, London, W., on February 12, to hear Mr. E. White explain *The New Organisation*. There was an attendance of about thirty members. The chair was taken by the President (Mr. J. D. Marshall), who on behalf of the Association congratulated their Vice-President (Mr. A. R. Melhuish) and Past President (Mr. C. T. Allen) on being appointed to the Board of Examiners of the Pharmaceutical Society. Mr. White said a minority of the Divisional Secretaries had taken their duties seriously, and the proposal that the local Association Secretary should be the Society's Divisional Secretary was a question of smooth administration. In times past it had been a matter of difficulty to know to whom information had to be sent. Financial assistance as regards secretarial work could be obtained from Insurance funds if the Secretary of the Pharmaceutical Committee is also local Association Secretary; but in any case a portion may be allocated to the local Secretary for his duties. The conference has emphasised the necessity for a closer link between local Associations and the Pharmaceutical Council, and Mr. White welcomed the change as a useful way of the Council being able to feel the pulse of the country. The new Executive was fairly representative of every class of business, and even territorially. If this could be obtained by the present method, he did not see much use on insisting on a cast-iron rule for territorial representation without exercising any discretion. Mr. White said the arrangements for prescription-pricing impressed the lay members of Insurance Committees as clumsy and time-wasting. The Tariff is the

only safe way of pricing. It should be possible for doctors and chemists to agree for prescription-checking out of Insurance funds at their disposal, asking the Insurance Committee to pay part of the cost. The advantage of arrangement, which was being advocated from headquarters is that chemists need not price their own prescriptions; it would be done for them by a skilled staff, and even if it should be errors, these would compensate one another. This means the subject would not come at all before committees, and there would be a check on ridiculous scribbling. The Chairman, Messrs. Etherington, Bud Barrett, Melhuish, and Schollar raised points for discussion.

London (North).—At the meeting of the North London Pharmacists' Association at St. Padarn's Hall, Holloway, on February 5 *The Ucal Plan* of co-operation was discussed by Mr. Miller (Cheltenham), managing director of Ucal, who, after explaining the principles of the foundation, stated that the organisation has a solid financial basis, with nearly one thousand pharmaceutical co-operators, so that the prospects of the future are encouraging. Mr. F. Cherry (Walton-on-Thames) expounded the principles that underlie pharmacy. Mr. G. W. Evans (Hammersmith) and Mr. Brumwell also spoke. A hearty vote of thanks was accorded to all these gentlemen.

Newport (Mon.).—The annual meeting of the Newport (Mon.) Pharmacists' Association took place at the Shaftbury Café on January 29, Mr. A. Gratte (President) in the chair. There were six members present and Mr. T. Badgett (Hon. Secretary). The financial statement of the annual report were adopted. A resolution was received from the Panel Committee regarding excessive prescribing. Mr. A. Gratte was re-elected President and Mr. J. Phillips was elected Vice-President. The Hon. Secretary and Treasurer, Mr. T. J. Badgett, was also re-elected. The Committee elected for the year consists of Messrs. B. Harrington, Paine, and Howell. After the business of the meeting had been dealt with, a presentation was made to the Hon. Secretary, in the form of a writing bureau and silver vase. Mr. Gratte made the presentation, and Mr. T. J. Badgett briefly replied.

Peterborough.—Mr. J. G. Sturton presided at the annual meeting of the Peterborough and District Association of Pharmacists held at the Grand Hotel on Thursday, February 5, at 3 p.m., when the Secretary (Mr. H. E. Nobbs) read his yearly report, and the Treasurer (Mr. Calcutt) reported having a balance in hand. Both reports were considered very satisfactory, and were adopted. The following officers were appointed: President, Mr. C. Bayley (Uppingham); Ex-President, Mr. J. G. Sturton; Vice-President, Mr. J. M. Parker (Market Deeping); Mr. T. J. Calcutt (Peterborough), and Mr. H. S. Turner (St. Ives); Council Messrs. Bodger, Girling, Hamson, Hall, Prior, Whitely Calder, and Selby Ennals; Hon. Secretary, Mr. H. Noble; Hon. Treasurer, Mr. T. J. Calcutt; Hon. Solicitor, Mr. W. H. Sturton; Hon. Auditor, Mr. F. Sturton.

Society of Chemical Industry.—The London Section met at Burlington House, Piccadilly, W., on February 10, when Professor W. R. Hodgkinson was in the chair, and in a few introductory remarks emphasised the importance of the discussions which follow the reading of papers from which many hints can be obtained, often, he added, of commercial value. He then invited a discussion on a paper on the *Electrical Conductivity of Condensed Milk*, which was read at the January meeting. Dr. Riddell and Mr. Evans, who spoke, thought that the method was not so simple as it appeared. Then followed a paper by Dr. W. I. Schoeller on *Oxygen and Metallic Antimony in Crude Antimony*. Crude antimony, containing antimony 73.56 per cent. and sulphur 22.45 per cent., was fused in a current of hydrogen sulphide; water was given off, which was collected and weighed; 3.15 per cent. of oxygen was thus found, and the crude antimony after fusion assayed antimony 71.13 per cent., sulphur 27.56 per cent. Boiling tartaric acid solution dissolved four-fifths of the antimony combined with oxygen, which proved to be present as antimonious oxide. On repeatedly extracting the crude antimony with hot strong hydrochloric acid a residue assaying 97.17 per cent. of antimony was obtained. The amount of metal present, as calculated from the results of the analysis, was 42.54 per cent. The presence of antimonious oxide in crude antimony is due, said the author, to absorption of oxygen by the molten sulphide, while the simultaneous presence of metallic antimony makes it more than probable that, contrary to the accepted view, antimonious oxide reacts upon the sulphide with formation of metal and sulphur dioxide, though the reaction takes place only to a limited extent. The next paper was by Dr. T. K. Rose, of the Royal Mint, on the *Estimation of Zinc in Coinage Bronze*. This chronicles the revival of an old process of heating coinage bronze to volatilise the zinc and weighing the residue. A gram of the metal is placed in a tiny carbon crucible fitted with lid

after packing in charcoal in a graphite crucible, heated to a temperature of 1,375° C. in an injector. The assay is corrected by heating a portion of known composition, as it appears that the zinc, utilised, takes up a little copper. The test takes more than gravimetric or volumetric determinations. At the close of a short discussion, Dr. Rose explained more use of the trial plate correction method. The author then read a paper by Mr. Puran Singh on *Nickel*. The author finds that by precipitating a solution of nickel in ammonia salts with tannic-acid solution, a greenish-white precipitate, when dried, changing into deep brown, is produced. When dry blackish-brown. This salt contains about 28 per cent $\text{Ni}_2(\text{C}_6\text{H}_5\text{O}_6)_2$. When the nickel solution is added to a tannic-acid solution, the precipitate, an almost white salt, which slowly a greenish-yellow tinge, is precipitated. This contains more than about 10 per cent of NiO , and would be the normal salt $(\text{C}_6\text{H}_5\text{O}_6)_2\text{Ni}$. The author at though it has not been possible to obtain absolute salts, it can be safely said from the results that only two theoretical salts have been proved. Discussion it was pointed out by Dr. Rideal that the composition of tannic acid is unknown. The final in the *Exudation of Nitroglycerin from Blasting* was held over until the next meeting.

England.—A meeting of the Sunderland Pharmaceutical Association was held on February 3, when twenty members were present. The President (Mr. W. Nimmo) reported of the conference of delegates held in London. The report was formally accepted by the Association. The position was then discussed, and it was agreed that per annum be paid to the Secretary, to date from 1913. Other expenses, amounting to about 26*l.*, were met by contributions from panel chemists of 1*l.* each on their Insurance accounts.

"Off" Wine-licences.

Following chemists have been granted magistrates' licences for off wine-licences in respect of premises at addresses mentioned:

R. Atkins, chemist and druggist, 39 Castle Street, has been granted a medicated-wine licence.
William Schofield, Abel Street, Burnley.
H. Garbutt, 28 East View, Boldon Colliery, South

G. Cobb, 356 Ovenden Road, Ovenden, Halifax.
Timothy White Co., Ltd., High Street, Walton-on-

Following have had their applications refused:
The Drug-stores, Ltd., Beulah Street, Harrogate.
Topping, chemist and druggist, 31 Church Street,
Timothy White Co., Ltd., 88 and 91 Old Christchurch Street, Burnmouth.
Richard J. Atkinson, chemist, of 20 The Green, Idle.
Arthur Atkinson, chemist, of 158 Huddersfield Road.

A. H. Statham, chemist and druggist, 2 Victoria Street, Chesterton, Staffs.
Frederic L. Ridge, chemist, 23 Regent Parade, Harrogate, was stated that Mr. Ridge held a wine-licence for former pharmacy at 16 Regent Parade.

England, manager for Taylor's Drug-stores, Ltd., Grainger Street, Newcastle-on-Tyne. Dr. F. Page (an) said the Justices considered medicated wines a curse, which had done more to promote drunkenness than anything else, except perhaps grocers'

A. L. Harrop, pharmacist, 327 Manchester Road, Rochdale. For the applicant, it was stated that his was the only chemist's establishment in Sudden. The last fortnight thirty persons had asked for red wines. The applicant was willing to give an undertaking to sell such preparations only. After consultation by the Magistrates, the Chairman said, "The Bench have come to the conclusion that it is the advantage of the public that these wines should be in the way they are, and consequently they refuse licence."

Bradford Licensing Justices had before them on January 11 applications from the following retailers and with the drug-trade for the renewal of existing licences:

F. Smith, 421 Tong Street; W. H. Smithies, 101, 103, 105, 107, 109, 111, 113, 115, 117, 119, 121, 123, 125, 127, 129, 131, 133, 135, 137, 139, 141, 143, 145, 147, 149, 151, 153, 155, 157, 159, 161, 163, 165, 167, 169, 171, 173, 175, 177, 179, 181, 183, 185, 187, 189, 191, 193, 195, 197, 199, 201, 203, 205, 207, 209, 211, 213, 215, 217, 219, 221, 223, 225, 227, 229, 231, 233, 235, 237, 239, 241, 243, 245, 247, 249, 251, 253, 255, 257, 259, 261, 263, 265, 267, 269, 271, 273, 275, 277, 279, 281, 283, 285, 287, 289, 291, 293, 295, 297, 299, 301, 303, 305, 307, 309, 311, 313, 315, 317, 319, 321, 323, 325, 327, 329, 331, 333, 335, 337, 339, 341, 343, 345, 347, 349, 351, 353, 355, 357, 359, 361, 363, 365, 367, 369, 371, 373, 375, 377, 379, 381, 383, 385, 387, 389, 391, 393, 395, 397, 399, 401, 403, 405, 407, 409, 411, 413, 415, 417, 419, 421, 423, 425, 427, 429, 431, 433, 435, 437, 439, 441, 443, 445, 447, 449, 451, 453, 455, 457, 459, 461, 463, 465, 467, 469, 471, 473, 475, 477, 479, 481, 483, 485, 487, 489, 491, 493, 495, 497, 499, 501, 503, 505, 507, 509, 511, 513, 515, 517, 519, 521, 523, 525, 527, 529, 531, 533, 535, 537, 539, 541, 543, 545, 547, 549, 551, 553, 555, 557, 559, 561, 563, 565, 567, 569, 571, 573, 575, 577, 579, 581, 583, 585, 587, 589, 591, 593, 595, 597, 599, 601, 603, 605, 607, 609, 611, 613, 615, 617, 619, 621, 623, 625, 627, 629, 631, 633, 635, 637, 639, 641, 643, 645, 647, 649, 651, 653, 655, 657, 659, 661, 663, 665, 667, 669, 671, 673, 675, 677, 679, 681, 683, 685, 687, 689, 691, 693, 695, 697, 699, 701, 703, 705, 707, 709, 711, 713, 715, 717, 719, 721, 723, 725, 727, 729, 731, 733, 735, 737, 739, 741, 743, 745, 747, 749, 751, 753, 755, 757, 759, 761, 763, 765, 767, 769, 771, 773, 775, 777, 779, 781, 783, 785, 787, 789, 791, 793, 795, 797, 799, 801, 803, 805, 807, 809, 811, 813, 815, 817, 819, 821, 823, 825, 827, 829, 831, 833, 835, 837, 839, 841, 843, 845, 847, 849, 851, 853, 855, 857, 859, 861, 863, 865, 867, 869, 871, 873, 875, 877, 879, 881, 883, 885, 887, 889, 891, 893, 895, 897, 899, 901, 903, 905, 907, 909, 911, 913, 915, 917, 919, 921, 923, 925, 927, 929, 931, 933, 935, 937, 939, 941, 943, 945, 947, 949, 951, 953, 955, 957, 959, 961, 963, 965, 967, 969, 971, 973, 975, 977, 979, 981, 983, 985, 987, 989, 991, 993, 995, 997, 999, 1001, 1003, 1005, 1007, 1009, 1011, 1013, 1015, 1017, 1019, 1021, 1023, 1025, 1027, 1029, 1031, 1033, 1035, 1037, 1039, 1041, 1043, 1045, 1047, 1049, 1051, 1053, 1055, 1057, 1059, 1061, 1063, 1065, 1067, 1069, 1071, 1073, 1075, 1077, 1079, 1081, 1083, 1085, 1087, 1089, 1091, 1093, 1095, 1097, 1099, 1101, 1103, 1105, 1107, 1109, 1111, 1113, 1115, 1117, 1119, 1121, 1123, 1125, 1127, 1129, 1131, 1133, 1135, 1137, 1139, 1141, 1143, 1145, 1147, 1149, 1151, 1153, 1155, 1157, 1159, 1161, 1163, 1165, 1167, 1169, 1171, 1173, 1175, 1177, 1179, 1181, 1183, 1185, 1187, 1189, 1191, 1193, 1195, 1197, 1199, 1201, 1203, 1205, 1207, 1209, 1211, 1213, 1215, 1217, 1219, 1221, 1223, 1225, 1227, 1229, 1231, 1233, 1235, 1237, 1239, 1241, 1243, 1245, 1247, 1249, 1251, 1253, 1255, 1257, 1259, 1261, 1263, 1265, 1267, 1269, 1271, 1273, 1275, 1277, 1279, 1281, 1283, 1285, 1287, 1289, 1291, 1293, 1295, 1297, 1299, 1301, 1303, 1305, 1307, 1309, 1311, 1313, 1315, 1317, 1319, 1321, 1323, 1325, 1327, 1329, 1331, 1333, 1335, 1337, 1339, 1341, 1343, 1345, 1347, 1349, 1351, 1353, 1355, 1357, 1359, 1361, 1363, 1365, 1367, 1369, 1371, 1373, 1375, 1377, 1379, 1381, 1383, 1385, 1387, 1389, 1391, 1393, 1395, 1397, 1399, 1401, 1403, 1405, 1407, 1409, 1411, 1413, 1415, 1417, 1419, 1421, 1423, 1425, 1427, 1429, 1431, 1433, 1435, 1437, 1439, 1441, 1443, 1445, 1447, 1449, 1451, 1453, 1455, 1457, 1459, 1461, 1463, 1465, 1467, 1469, 1471, 1473, 1475, 1477, 1479, 1481, 1483, 1485, 1487, 1489, 1491, 1493, 1495, 1497, 1499, 1501, 1503, 1505, 1507, 1509, 1511, 1513, 1515, 1517, 1519, 1521, 1523, 1525, 1527, 1529, 1531, 1533, 1535, 1537, 1539, 1541, 1543, 1545, 1547, 1549, 1551, 1553, 1555, 1557, 1559, 1561, 1563, 1565, 1567, 1569, 1571, 1573, 1575, 1577, 1579, 1581, 1583, 1585, 1587, 1589, 1591, 1593, 1595, 1597, 1599, 1601, 1603, 1605, 1607, 1609, 1611, 1613, 1615, 1617, 1619, 1621, 1623, 1625, 1627, 1629, 1631, 1633, 1635, 1637, 1639, 1641, 1643, 1645, 1647, 1649, 1651, 1653, 1655, 1657, 1659, 1661, 1663, 1665, 1667, 1669, 1671, 1673, 1675, 1677, 1679, 1681, 1683, 1685, 1687, 1689, 1691, 1693, 1695, 1697, 1699, 1701, 1703, 1705, 1707, 1709, 1711, 1713, 1715, 1717, 1719, 1721, 1723, 1725, 1727, 1729, 1731, 1733, 1735, 1737, 1739, 1741, 1743, 1745, 1747, 1749, 1751, 1753, 1755, 1757, 1759, 1761, 1763, 1765, 1767, 1769, 1771, 1773, 1775, 1777, 1779, 1781, 1783, 1785, 1787, 1789, 1791, 1793, 1795, 1797, 1799, 1801, 1803, 1805, 1807, 1809, 1811, 1813, 1815, 1817, 1819, 1821, 1823, 1825, 1827, 1829, 1831, 1833, 1835, 1837, 1839, 1841, 1843, 1845, 1847, 1849, 1851, 1853, 1855, 1857, 1859, 1861, 1863, 1865, 1867, 1869, 1871, 1873, 1875, 1877, 1879, 1881, 1883, 1885, 1887, 1889, 1891, 1893, 1895, 1897, 1899, 1901, 1903, 1905, 1907, 1909, 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2243, 2245, 2247, 2249, 2251, 2253, 2255, 2257, 2259, 2261, 2263, 2265, 2267, 2269, 2271, 2273, 2275, 2277, 2279, 2281, 2283, 2285, 2287, 2289, 2291, 2293, 2295, 2297, 2299, 2301, 2303, 2305, 2307, 2309, 2311, 2313, 2315, 2317, 2319, 2321, 2323, 2325, 2327, 2329, 2331, 2333, 2335, 2337, 2339, 2341, 2343, 2345, 2347, 2349, 2351, 2353, 2355, 2357, 2359, 2361, 2363, 2365, 2367, 2369, 2371, 2373, 2375, 2377, 2379, 2381, 2383, 2385, 2387, 2389, 2391, 2393, 2395, 2397, 2399, 2401, 2403, 2405, 2407, 2409, 2411, 2413, 2415, 2417, 2419, 2421, 2423, 2425, 2427, 2429, 2431, 2433, 2435, 2437, 2439, 2441, 2443, 2445, 2447, 2449, 2451, 2453, 2455, 2457, 2459, 2461, 2463, 2465, 2467, 2469, 2471, 2473, 2475, 2477, 2479, 2481, 2483, 2485, 2487, 2489, 2491, 2493, 2495, 2497, 2499, 2501, 2503, 2505, 2507, 2509, 2511, 2513, 2515, 2517, 2519, 2521, 2523, 2525, 2527, 2529, 2531, 2533, 2535, 2537, 2539, 2541, 2543, 2545, 2547, 2549, 2551, 2553, 2555, 2557, 2559, 2561, 2563, 2565, 2567, 2569, 2571, 2573, 2575, 2577, 2579, 2581, 2583, 2585, 2587, 2589, 2591, 2593, 2595, 2597, 2599, 2601, 2603, 2605, 2607, 2609, 2611, 2613, 2615, 2617, 2619, 2621, 2623, 2625, 2627, 2629, 2631, 2633, 2635, 2637, 2639, 2641, 2643, 2645, 2647, 2649, 2651, 2653, 2655, 2657, 2659, 2661, 2663, 2665, 2667, 2669, 2671, 2673, 2675, 2677, 2679, 2681, 2683, 2685, 2687, 2689, 2691, 2693, 2695, 2697, 2699, 2701, 2703, 2705, 2707, 2709, 2711, 2713, 2715, 2717, 2719, 2721, 2723, 2725, 2727, 2729, 2731, 2733, 2735, 2737, 2739, 2741, 2743, 2745, 2747, 2749, 2751, 2753, 2755, 2757, 2759, 2761, 2763, 2765, 2767, 2769, 2771, 2773, 2775, 2777, 2779, 2781, 2783, 2785, 2787, 2789, 2791, 2793, 2795, 2797, 2799, 2801, 2803, 2805, 2807, 2809, 2811, 2813, 2815, 2817, 2819, 2821, 2823, 2825, 2827, 2829, 2831, 2833, 2835, 2837, 2839, 2841, 2843, 2845, 2847, 2849, 2851, 2853, 2855, 2857, 2859, 2861, 2863, 2865, 2867, 2869, 2871, 2873, 2875, 2877, 2879, 2881, 2883, 2885, 2887, 2889, 2891, 2893, 2895, 2897, 2899, 2901, 2903, 2905, 2907, 2909, 2911, 2913, 2915, 2917, 2919, 2921, 2923, 2925, 2927, 2929, 2931, 2933, 2935, 2937, 2939, 2941, 2943, 2945, 2947, 2949, 2951, 2953, 2955, 2957, 2959, 2961, 2963, 2965, 2967, 2969, 2971, 2973, 2975, 2977, 2979, 2981, 2983, 2985, 2987, 2989, 2991, 2993, 2995, 2997, 2999, 3001, 3003, 3005, 3007, 3009, 3011, 3013, 3015, 3017, 3019, 3021, 3023, 3025, 3027, 3029, 3031, 3033, 3035, 3037, 3039, 3041, 3043, 3045, 3047, 3049, 3051, 3053, 3055, 3057, 3059, 3061, 3063, 3065, 3067, 3069, 3071, 3073, 3075, 3077, 3079, 3081, 3083, 3085, 3087, 3089, 3091, 3093, 3095, 3097, 3099, 3101, 3103, 3105, 3107, 3109, 3111, 3113, 3115, 3117, 3119, 3121, 3123, 3125, 3127, 3129, 3131, 3133, 3135, 3137, 3139, 3141, 3143, 3145, 3147, 3149, 3151, 3153, 3155, 3157, 3159, 3161, 3163, 3165, 3167, 3169, 3171, 3173, 3175, 3177, 3179, 3181, 3183, 3185, 3187, 3189, 3191, 3193, 3195, 3197, 3199, 3201, 3203, 3205, 3207, 3209, 3211, 3213, 3215, 3217, 3219, 3221, 3223, 3225, 3227, 3229, 3231, 3233, 3235, 3237, 3239, 3241, 3243, 3245, 3247, 3249, 3251, 3253, 3255, 3257, 3259, 3261, 3263, 3265, 3267, 3269, 3271, 3273, 3275, 3277, 3279, 3281, 3283, 3285, 3287, 3289, 3291, 3293, 3295, 3297, 3299, 3301, 3303, 3305, 3307, 3309, 3311, 3313, 3315, 3317, 3319, 3321, 3323, 3325, 3327, 3329, 3331, 3333, 3335, 3337, 3339, 3341, 3343, 3345, 3347, 3349, 3351, 3353, 3355, 3357, 3359, 3361, 3363, 3365, 3367, 3369, 3371, 3373, 3375, 3377, 3379, 3381, 3383, 3385, 3387, 3389, 3391, 3393, 3395, 3397, 3399, 3401, 3403, 3405, 3407, 3409, 3411, 3413, 3415, 3417, 3419, 3421, 3423, 3425, 3427, 3429, 3431, 3433, 3435, 3437, 3439, 3441, 3443, 3445, 3447, 3449, 3451, 3453, 3455, 3457, 3459, 3461, 3463, 3465, 3467, 3469, 3471, 3473, 3475, 3477, 3479, 3481, 3483, 3485, 3487, 3489, 3491, 3493, 3495, 3497, 3499, 3501, 3503, 3505, 3507, 3509, 3511, 3513, 3515, 3517, 3519, 3521, 3523, 3525, 3527, 3529, 3531, 3533, 3535, 3537, 3539, 3541, 3543, 3545, 3547, 3549, 3551, 3553, 3555, 3557, 3559, 3561, 3563, 3565, 3567, 3569, 3571, 3573, 3575, 3577, 3579, 3581, 3583, 3585, 3587, 3589, 3591, 3593, 3595, 3597, 3599, 3601, 3603, 3605, 3607, 3609, 3611, 3613, 3615, 3617, 3619, 3621, 3623, 3625, 3627, 3629, 3631, 3633, 3635, 3637, 3639, 3641, 3643, 3645, 3647, 3649, 3651, 3653, 3655, 3657, 3659, 3661, 3663, 3665, 3667, 3669, 3671, 3673, 3675, 3677, 3679, 3681, 3683, 3685, 3687, 3689, 3691, 3693, 3695, 3697, 3699, 3701, 3703, 3705, 3707, 3709, 3711, 3713, 3715, 3717, 3719, 3721, 3723, 3725, 3727, 3729, 3731, 3733, 3735, 3737, 3739, 3741, 3743, 3745, 3747, 3749, 3751, 3753, 3755, 3757, 3759, 3761, 3763, 3765, 3767, 3769, 3771, 3773, 3775, 3777, 3779, 3781, 3783, 3785, 3787, 3789, 3791, 3793, 3795, 3797, 3799, 3801, 3803, 3805, 3807, 3809, 3811, 3813, 3815, 3817, 3819, 3821, 3823, 3825, 3827, 3829, 3831, 3833, 3835, 3837, 3839, 3841, 3843, 3845, 3847, 3849, 3851, 3853, 3855, 3857, 3859, 3861, 3863, 3

DENTAL NOTES.

Dental Anæsthetics.

THE "Journal of the American Medical Association" prints the following useful summary of the available processes for preventing pain in the extraction of teeth:

The sensibility of the gums can be reduced by rubbing them with a solution of cocaine or one of the many proprietary cocaine substitutes, so that the prick of the hypodermic needle will not give pain. In some cases a merely psychic influence may be sufficient to secure an almost painless extraction. Rubbing a remedy on the gums might secure this psychic effect in a considerable number of cases.

Local anæsthetics and obtundents are agents to produce insensibility to pain in a circumscribed area of tissue. They are used to act at once on nerve-endings in a given locality, especially in the extraction of teeth. Local anæsthetics are divided into (A) soluble local anæsthetics, (B) insoluble local anæsthetics, and (C) refrigerant local anæsthetics.

A. The best-known soluble local anæsthetic is cocaine hydrochloride. According to Preyer's conception, local anæsthesia is produced as follows: Cocaine possesses a distinct affinity for the living protoplasm of the nerve-cell; it enters with it into a labile union, thus producing local anæsthesia, which lasts until its temporary union is broken up by releasing the chemical—not as the original cocaine, however, but as an inert compound of a simpler structure. In other words, the living tissues rid themselves of the poison in some unknown manner.

Some of the formulas for local anæsthetic solutions of cocaine are:

Cocainæ hydrochloridi	...	...	gr. v.
Sodii chloridi	...	...	gr. iv.
Aquæ destillatæ	...	...	3j.

M. Sig.: Cocaine injection for dental purposes. To each cubic centimeter add 1 drop of epinephrin solution when used (Prinz).

Following are two formulas for local obtundents:

Cocainæ hydrochloridi	...	...	gr. xv.
Phenolis liquefacti	...	...	3j.

M. Sig.: Apply the heated solution to hypersensitive dentine (Jenkins).

Ocaine (alkaloid)	...	...	gr. xx.
Chloroform	...	...	3ij.
Ether	...	...	3j.

M. Sig.: Apply to the cavity on a small pledget of cotton and evaporate to dryness (Buckley).

Novocain is one of several cocaine substitutes. It is said to have the same action on the peripheral nerves as cocaine, with an equal amount of anæsthetic potency. Applied locally, it has no side- or after-effects, and is non-irritating to the soft tissues. A formula commonly used is:

Novocain	...	...	gr. x.
Sodii chloridi	...	...	gr. iv.
Aquæ destillatæ	...	...	3j.

M. Sig.: To each cubic centimeter add 1 drop of epinephrin solution when used (Prinz).

B. Among insoluble local anæsthetics are comprised a number of synthetic compounds introduced within recent years, which possess marked analgesic power when applied in substance on painful mucous membranes or abraded surfaces. Anæsthesin, orthoform-new, and propaesin are illustrations. The following anæsthetic mixtures may be used:

Anæsthesin,			
Powdered starch	...	aa.	3j.

M. Sig.: Dusting-powder (Prinz).

Orthoform-new	...	...	3j.
Lanolin	...	...	3j.

M. f. unguentum. Sig.: Orthoform ointment (Prinz).

C. Refrigerant local anæsthetics are local applications which abstract blood from the tissues. They lower the temperature, diminish sensation, and reduce the volume of the parts to which they are applied. When continuously applied, in due time they produce definite anæsthesia. These freezing agents are restricted to small areas, especially around the roots or root of the tooth to be removed. Ether and ethyl chloride are used for this purpose.

How to Overcome Difficulties in Gargling.

A LARGE NUMBER OF PATIENTS say "I can't gargle, it chokes me." Mr. M. T. Emelin ("Dental Brief") states that one can gargle as deep down the throat as needful by pressing the palm of the left hand upon the epiglottis and quite hard directly above and against the thyroid

cartilage. The cartilage should not be pressed upon directly, in the manner of choking, but against its upper part only, covering about two inches of its outer surface. Instead of the palm of the hand, one may use the tip of the thumb and of all the fingers of the left hand curled arranged in a curve, adapting them to the trachea. This method has not failed in the most difficult cases and should be tried until it works correctly. Patients should receive these instructions and be shown how to gargle as above described.

DEED OF ARRANGEMENT.

Holmes, Francis, 199 Woodhouse Lane, Leeds, Chairman and Wine and Spirit Dealer.—Trustee, C. H. Munk, C.A., 12 East Parade, Leeds. Dated, January 26; filed, January 31. Liabilities unsecured, 295*l.*; estimated net assets, 199*l.* The creditors include: Domen Belts Co., Ltd., London (15*l.*); Camwal, Ltd., Harrogate (12*l.*); Goodall, Backhouse & Co., Leeds (25*l.*).

Sale of Food and Drugs Bill.

THE London Chamber of Commerce has issued a Memorandum setting out the very serious objections of importers, manufacturers, and traders to the drastic alteration in the law which would ensue if the above-named Bill should be enacted by Parliament. A Joint Committee of the Chamber strongly urges that there is no public demand for any such Bill, and that, in any case, no legislation for the amendment of the Sale of Food and Drugs Act will be satisfactory unless recommended by an impartial Committee of Inquiry, before which all parties concerned have been allowed to offer evidence.

W. Purton Again.

Two Keswick chemists have this week received posted orders as follows:

Westfield Villa, Southlands Road,
Bromley, Kent
February 10th, 1914.

DEAR SIR,—Will you please forward me at your earliest opportunity

2 box Wright's Coal-tar Soap.
Bot. Cod-liver Oil 1/6.
Bot. Eau de Cologne 2/3.
Enclose bill with parcel.

Yours truly,
W. PURTON.

Both chemists sent the bills and awaited payment before sending the parcels. This is the correct thing to do. Purton makes a business of this sort of thing, and we have published repeated warnings in regard to his methods.

POISONING FATALITIES.

EIGHT deaths, including two by misadventure, due to poisoning have been recorded this week.

Carbolic Acid.—James Brown (35), retired dairyman, died at Richmond from the result of burns following the use of liquid carbolic acid instead of carbolic oil (see p. 36). Florence Ann Lamb (18) died at Gateshead through intentionally taking this poison.

Laudanum caused the death by misadventure of M. Lavinia Edwards (54), of Macclesfield. At the inquest the Coroner said it was a great pity that laudanum could be purchased so easily.

Nicotinc.—Thomas Daniels (69), estate agent, poisoned himself at Southport by taking nicotine insecticide.

Nitric Acid.—James Findlay killed himself at Falkirk with this corrosive poison.

Poisonous Liniment, containing camphor and ammonia, was swallowed with suicidal intent by Amelia A. S. Ivo, a widow, inmate of a Chichester asylum.

Spirit of Salt.—At the inquest on John Henry Thomas, blacksmith, of Llanfair P.G., the Coroner's jury returned a verdict of "Death from taking spirits of salts."

Kind Not Stated.—Henry Williams, manufacturer, was found dead in his office with a bottle that had contained poison by his side.

TRADE REPORT.

prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, London, E.C., February 12.

BUSINESS on the whole cannot be said to be satisfactory in the markets, judging by reports of brokers and dealers. Export trading, however, in chemicals and drugs, as shown by the Board of Trade Returns, was well maintained last month. Fluctuations in value this week have been fairly numerous, a general downward tendency again noticeable. This applies in particular to new-pressed lemon oil to arrive, and to a less extent in bergamot, geranium, and star anise oils. New cod-liver oil is lower, and while progress at Lofoten is slow, "whole-henry" results are very fair. Menthol is dull and lower, and bears depressing the market, and the same applies to Japan mint. Opium is on the easier side, and alkaloids are barely steady. Senega and hydrastis are quiet; Chinese cantharides and celery seed scarce. Quinine is very firm on export inquiry, and there has also been a revival of interest in cinchonidine and cinchonine salts. Among miscellaneous products, we note a slight reduction in petroleum. Carnauba wax and glucose are cheaper. Shellac is easier and turpentine steady. Ammonia sulphate is dearer. The principal changes are as under:

Higher	Firmer	Easier	Lower
Ammonia sulphate	Cocoa-butter	Anise oil	Glucose
Strontium sulphate	Copper sulphate	(star) spot	Lemon oil
Sassafras oil	Gum acacia	Bergamot oil	Menthol
(c.i.f.)	(Sudan)	Cod-liver oil	Shellac
Madagascar seed	Peppermint	Ergot	Wax,
Non-pressed	oil (H.G.H.)	Geranium oil	Carnauba
		(Bourbon)	
		Opium	
		(Turkey)	
		Orange oil	
		Petroleum	
		Turpentine	

Cablegrams.

BERGEN, February 12.—The catch of cod for the whole of Norway since the opening of the season now amounts to 6,081,000, against 6,473,000 at the corresponding date last year. The yield of steam-refined oil is now 22 hectolitres, against 5,532 hectolitres at the same time last year. Market is easier, at 83s. 6d. per barrel c.i.f. new Norwegian non-freezing oil.

NEW YORK, February 12.—Business in drugs is fair. Opium is 5c. per lb. firmer at \$6.30 per lb. for druggists' quality. Peppermint oil in tins is steady at \$3.50 per lb. Sassafras-root (mandrake) is firm at 10c. per lb., and Sassafras ipecacuanha is easy at \$1.60. Senega is quiet at 4c. per lb., and copaiba balsam steady at 42c. Curaçao is in cases is easier at 7½c. per lb.

London Markets.

COCA-LEAVES.—Among the arrivals at the warehouse are cases of East Indian; the *Kildonan Castle* has brought cases Cape.

ANISE OIL (STAR) in retail demand, and slightly easier, at 1d. per lb. spot for the Red Ship brand, and to arrive quote 5s. 4½d. c.i.f.

BERGAMOT OIL is cheaper, new crop offering at from 17s. 6d. to 18s. 4d. per lb. c.i.f., according to shipper.

A Sicilian advice, dated February 7, states that the demand continues limited, and the detrimental effects of the last two seasons' exaggerated prices are now showing themselves very fully, as consumers are taking to the natural product only very slowly, notwithstanding the reduction in prices. The estimates of this year's production are about equal to those of last year. It is to be hoped, however, that prices being so much lower, the consumption will ultimately reach more normal proportions.

BUCHU.—The value of good to fine clean green is from 5s. to 5s. 4d. per lb. for single bales. To arrive there are few offers of new crop yet, small sales having been made at 4s. 11d. c.i.f.

CADMIUM.—Metal has been advanced to 4s. 6d. per lb. net, and calcium bromide is also dearer at from 3s. 6d. to 3s. 9d. per lb. net for a leading make.

CALABAR BEANS.—Small sales have been made in Liverpool at 3¼d. per lb.

CAMPOR (REFINED).—The spot values of Japanese are 1s. 5d. for slabs, 1s. 6d. for 1-oz. tablets, 1s. 7d. for ½-oz., and 1s. 6½d. for ¼-oz. To arrive 300 cases slabs have been sold at 1s. 4½d. c.i.f. for June-August shipment, earlier positions having been sold out.

CANNABIS INDICA.—Retail sales of genuine Bombay tops have been made at 7s. per lb.

CANTHARIDES.—Supplies of Chinese appear to be practically exhausted everywhere. Spot holders ask 3s. 9d. for a limited quantity.

CASCARILLA.—Retail sales have been made ex auction at 85s. for small quill and at 65s. for siftings.

CASTOR OIL.—English make of first-pressing is quoted at 25l. 15s. per ton in barrels for prompt, and all positions over 1914, with the usual 50s. extra for cases. Pharmaceutical quality is 28l. 5s. in barrels, and 30l. 15s. in tins and cases, delivered free on wharf London. Belgian firsts, prompt and forward, is quoted 25l. per ton in barrels f.o.b. Antwerp. In Liverpool good seconds Calcutta is quoted 4d. per lb. in store and 3½d. to arrive. The finest French medicinal quality is quoted at 33l. 15s. net per ton c.i.f. in cases, and at 30l. 15s. in barrels in minimum lots of one ton.

CELERY-SEED.—Further business has been done on the spot at up to 95s. per cwt., little being offered; for shipment from Marseilles the equivalent of 100s. is quoted.

CINCHONA.—The auction to be held at Amsterdam on February 26 will consist of 856 bales and 492 cases, containing 77,871 kilos. pharmaceutical bark. The amount of manufacturing bark to be tendered for on February 25 will be 10,142 packages, weighing 866,146 kilos. The first-hand stock at Amsterdam on February 5 consisted of 13,470 packages Government and 55,891 packages private bark.

CINCHONIDINE.—There has lately been a fair demand for export for the sulphate, the value being 8l. per oz.; also for cinchonine sulphate and hydrochloride, which are quoted at 4½d. per oz. for either.

CINNAMON.—At auction 20 cases Tellicherry sold without reserve, comprising good firsts at from 1s. 3d. to 1s. 4d., good seconds at 1s. 2d., and 30 bales broken at 9½d.; 6 bales Ceylon also sold without reserve at 1s. 1d. for good seconds; 135 bags of Ceylon chips were bought in at 3½d. for fair.

CITRIC ACID is quoted at from 1s. 11d. to 1s. 11½d., with a few inquiries in the market it is found that supplies on the spot are extremely small.

CLOVES.—At auction 35 bales Penang were bought in at 1s. 3d. for fine bright and 1s. for fair. Privately prices are steady, with demand quiet, with fair Zanzibar of new import offering at 5½d., and for old crop 6½d. is wanted. To arrive the sales include January-March shipment at 5½d. c.i.f., and for June-August delivery business has been done at 5½d. to 6½d.

COCA-LEAVES.—The auction to be held at Amsterdam on February 26 will consist of 2,283 packages, containing 122,869 kilos. Java leaf.

COCOA-BUTTER.—Business has been done at 1s. 4½d. on spot, but 1s. 5d. is now asked.

COD-LIVER OIL.—Although the Lofoten fishery is not making progress, there has already been a yield of 3,000 hectolitres for the whole country, but the figures below show that practically none of this is genuine Lofoten oil. New oil is being more freely offered this week at the reduced price of 85s. c.i.f., and small sales are reported at this figure. Last season's oil is quoted 80s. c.i.f. for best brands.

Cabled statistics of the Norwegian fishing up to Saturday, February 7, 1914, as compared with the corresponding figures of the previous year, are as follows:

	Catch of Cod	Livers for Raw Oil (hect.)	Yield of c.i.o. (hect.)
Lofoten, 1914...	70,000	32	45
Do. 1913...	194,000	140	78
Whole country, 1914...	3,100,000	1,816	3,092
Do. 1913...	6,400,000	2,063	5,604

Our Bergen correspondent writes on February 9 that the cod-fishing has been somewhat retarded by stormy weather, which has also prevented the fishermen from arriving at the fishing-places. The reports received, however, give a pretty fair catch, which augurs well for a regular and sustained development of the fishing. The Lofoten report up to February 7 gives the following details:

	1912	1913	1914
Catch of cod...	584,000	194,000	70,000
Yield of c.i.o. (hect.)	408	78	45
Yield of liver for raw oils (hect.)	101	140	32
Weight of 100 cod (kilos.)	275 to 260	300 to 320	295 to 300
Number of livers (per hect.)	420 to 550	430 to 530	350 to 500
Oil per centage in liver	42 to 46	38 to 43	45 to 48

There is only little interest displayed in the market, and the quotation of 83s. 6d. per barrel c.i.f. must be considered nominal.

ERGOT.—Russian is tending easier at from 1s. 8½d. to 1s. 9d. c.i.f.; spot is obtainable at 1s. 10d.

DRAGON'S-BLOOD.—Fifteen cases of ordinary seedy lump have arrived at the warehouse this week.

GERANIUM OIL.—Bourbon of genuine quality is again a trifle easier at 13s. 6d. per lb., delivered in London.

GINGER.—At auction: 700 bags and 25 cases of Cochin and Calicut were offered and practically all bought in, including good small cut Calicut in cases at 50s., good brown Calicut, rough, in bags at 30s., and wormy washed, rough Cochin at from 23s. to 25s. Of Jamaica, 95 bags of fair common were bought in at 42s.

GLUCOSE.—Best American brands are quoted 11s. 9d. per cwt. on spot.

GLYCERIN.—A London dealer's monthly report states that prices for chemically pure have been unaltered for several months, especially for the home trade, those for export having undergone slight variation. The demand for crude and dynamite qualities has been very small and the few transactions are no criterion to the actual market position. Large sellers are not inclined to do business at anything like the present figures, and buyers are equally indifferent. Unless, therefore, consumption should materially decrease, of which there is no evidence, an improvement should again set in before long.

GUM ACACIA.—Sudan sorts are firmer, spot business having been done in half-hard kinds at from 33s. 6d. to 34s.; to arrive values are unchanged, new crop for shipment from Khartum offering at about 32s. per cwt. c.i.f. East Indian gums remain slow, Ghatti No. 1 offering at 28s. 6d. and No. 2 at 17s. 6d. c.i.f. Senegal gum is unobtainable on spot, the f.o.b. Bordeaux quotation for Bas de Fleuve being 31s. per cwt. f.o.b.

HONEY.—The following are current spot quotations in Liverpool: Chilean, No pile, 22s. 6d.; pile 3, 25s. to 26s.; pile 2, 27s. 6d. to 28s. 6d.; pile 1, 30s. to 32s.; pile X, 35s. to 38s. 6d.; extra pile X in cases, 46s. Jamaica, in kegs and barrels, 25s. to 33s. New Zealand, in cases, 43s. to 45s., and Californian 42s. 6d. to 45s. The lowest price for Chilean old crop of current quality, average not inferior to pile 3, is 22s. 6d. per cwt. c.i.f. for prompt shipment. The lot of 160 barrels Chilean just arrived in Liverpool was sold some time ago at 25s. 6d. c.i.f. for current quality, average not inferior to pile 3.

HYDRASTIS remains scarce on spot, the value being 21s. 6d. net.

IPECACUANHA.—Matto Grosso is firm at from 8s. 1d., Cartagena offering at 7s., with business to arrive at 6s. 3d. c.i.f. There is practically no Minas available. About 60 bales of East Indian are reported to be close hand.

LEMON-JUICE.—English pressed is dearer at 1s. 10 per lb.

LEMON OIL is again lower, prompt and forward shipment offering at from 7s. 6d. to 7s. 10d. per lb. c.i.f. with several offers of 8s. to 8s. 1d. c.i.f.; on the spot from 8s. 9d. to 9s. 6d. is quoted.

A Sicilian advice, dated February 7, states that the market was entirely demoralised this week. The decline in price for fresh lemons, and the total absence of demand from abroad for oil, caused sellers to be panic-stricken, and price declined heavily, especially as both local buyers and exporters simply looked on.

MENTHOL is dull and lower with sales of Kobayashi; the spot at 12s. 6d., and for October-December shipment business has been done at 14s. c.i.f. in combination with oil. Sellers of March-April quote 11s. 6d. c.i.f. in crystals, and combined with oil at 15s. 6d. c.i.f.

MINT OIL.—Japanese is quiet and easier, with spot sale of Kobayashi at 4s. 6d.; to arrive sellers quote this brand at 4s. 3d. c.i.f. for March-April and Suzuki for February-March at 4s. 1½d. c.i.f.

MORPHINE.—Although there is no actual change in prices, the tendency is, if anything, on the easier side, makers being unable to effect quicker delivery; from 7s. 9d. to 8s. per oz. is quoted for hydrochloride powder.

MUSK.—Tonquin pod is quiet, with fine selected blue skin pile I. offering at 70s., good, well-trimmed, old fashioned pile I. at 60s., and pile III. at 40s. per oz.

OLIBANUM.—The small sales on spot comprise good dark at 47s. 6d. and good pale siftings at 23s.

OPIMUM.—In the absence of buyers and the receipt of more favourable news concerning weather conditions in growing districts in Turkey, the market is on the easier side, with sellers offering usual 11-per-cent. quality at 13s. to 13s. 3d. per lb. c.i.f. The spot price is unchanged at 15s. per lb. Persian, on the other hand, remains very firm, with sales of good test at 22s. on spot.

A Smyrna correspondent writes on January 30 that "the sales this week on our market amount to 126 cases of extra and selected extra Karahissar, as well as rich Yerhis, a 14s. 6d. to 17s. per lb. c.i.f. Lower grades are procurable at 12s. to 14s., as to strength and quality. Sharp frost, weather has set in. The arrivals in Smyrna are 4,293 cases against 2,264 at same date last year."

A Constantinople correspondent writes on February 7 that the sales of the week were 53 cases druggists' at from 205 to 210 pirs., six cases "softs" at from 250 to 267 pirs., and six cases Malatias at 230 pirs. Practically all the sales were for the United States. The news from the interior still continues favourable, and the existing demand maintains prices. Under these conditions it is not thought likely that a material decline will take place before the new crop is due. The arrivals in Constantinople amount to 3,212 cases, against 2,423 cases. They consisted of 1,723 druggists' (1,245), 1,231 softs (840), 259 Malatias (368). The stock amounts to 934 cases, against 900 cases, and consists of 456 druggists' (514), 342 soft (271), and 136 Malatias (124). The figures in parentheses represent those for the corresponding period of 1912.

In the course of a British consular report on the trade of Bushire, it is stated that exporters of opium are threatened with the imposition of drastic regulations by the Persian Government, which aim at controlling the production and sale of opium through all its different stages from cultivation to export. These regulations are based on a law of the last Majlis (Parliament), but have not yet received the assent of all the necessary authorities. They provide for an opium administration in the chief centres of production and a large staff of inspectors; the declaration of each present cultivator to inspectors on proper forms of the amount of land he has sown with poppies, and of the estimated quantity of crude juice that will be realised; sale of the crude juice in the cultivator's fields to take place in the presence of inspectors and on prescribed days; the transport of crude juice to the provincial centres under seal and declaration; the kneading and manufacture of the crude product into cakes for export, and sticks for local

umption, to take place in the presence of inspectors and approved premises; deposit of the export duty to be made, and chests sealed before despatch to coast ports. The opinion will be opposed to the strictness of the regulations, and it is much to be doubted if it will be within the powers of the Government to enforce them.

Insufficient official action may, however, take place to cause dislocation of the trade in Shiraz and other centres; this would be regrettable as far as the legitimate export of the drug to London for medicinal purposes is concerned.

The number of chests exported from Bushire to London in 1913 was 1,130; to Singapore, China, and elsewhere, 794. Shipping prices ranged from 550 to 800 tomans (110*l.* to 160*l.*) per chest of 160 bricks. There is reported to have been considerable revival of the adulteration of the drug for the Far Eastern market with *gunjideh*. The only other point worthy of remark is the increased use of the drug for smoking and eating among the population of Southern Persia, particularly the nomads; and, whereas ten years ago smoking opium was considered among the rather strict inhabitants of Bushire and other ports a vice, which was kept secret as far as possible, it is gradually being practised much more openly and occasions little remark.

RANGE OIL.—A Sicilian advice, dated February 7, states that the market continues to be generally neglected, and what little business has been done, slight reductions have been obtained on the previous week's figures. In London agents quote from 10*s.* 2*d.* to 10*s.* 4*d.* per lb. c.i.f. *succet*, but it is anticipated that prices will ease later.

RANGE-PEEL.—The new crop of finely-cut bitter orange is very short, and firmly held at from 1*s.* 4*d.* to 6*d.* for Maltese. English hand-cut is selling at 1*s.* 4*d.*

PEPPER.—At auction the demand was slow, 100 bags cherry being bought in at 5½*d.*, and 11 bags grey at 5½*d.* Privately, the spot demand for black pepper has been quiet, with sellers at 5½*d.*, and for fair January-March shipment is quoted at 4½*d.* The include Lampong for this position at 4½*d.* Of *white* pepper at auction 70 bags Siam were bought in at 8½*d.* Privately, the spot demand is slow, with sellers of fair pepper at 8½*d.*, and fair Muntok at 9½*d.* To arrive January-March shipment of Singapore is quoted 8½*d.* delivered weight.

PEPPERMINT OIL.—American tin oil is quoted 15*s.* to 3*d.* for best brands, with a fair jobbing demand. *H.* is 3*d.* dearer at 18*s.* 3*d.* London terms. *Todd's* tal-white is quoted 16*s.* 6*d.* net and natural 15*s.* 6*d.*

PETROLEUM.—Prices have been reduced by ¼*d.* per gal. for ordinary refined Russian or American, and for water-white.

PEPIMENTO.—At auction 188 bags fair were bought in at 2½*d.* Privately, spot sellers quote 2½*d.*, and to arrive per cwt. c.i.f.

SILVER.—Silver is firm at 7*l.* 10*s.* from first hands and *s.* from seconds, the latter, if anything, being 6*d.* per than the recent lowest.

SILK.—Silk is very firm, second-hand sellers quoting ½*d.* for old and 1*s.* 0½*d.* for new.

TEA.—Small sales ex auction have been made at 7*d.* per lb. for medium-size round Canton of fair pinky ure. Flat High-dried has also been sold at 1*s.* for bright fracture, and at 10*d.* to 10½*d.* for fair rough d native.

RSAPARILLA.—The new lot of 18 bales grey Jamaica now arrived in the drug-warehouse, together with six of Lima and two red native.

NEGA remains very firm, and selling more freely at 2*s.* 10½*d.* to 2*s.* 11½*d.* net on spot.

ELLAC remains extremely quiet, and prices are again r, the spot value of fair TN Orange being from 73*s.* to 73*s.*, and free AC Garnet 76*s.* 6*d.* To arrive s of TN for February-March shipment quote 74*s.*, AC Garnet 72*s.* 6*d.* c.i.f. Futures are lower, with s of March delivery at 73*s.* to 71*s.* 6*d.*, May 5*d.* to 73*s.*, and August 76*s.* 6*d.* to 76*s.*

TARTARIC ACID remains firm at 1*s.* 0½*d.* for foreign and 0½*d.* for English.

PERUVIAN BARK.—Peruvians have had a quiet week, American on spot ng firm at the decline to 31*s.* 10½*d.* and March-April 3*s.* 3*d.*

WAX, BEES'.—Gambia is firm at 8*l.* 10*s.* per cwt. in Liverpool. Offerings of beeswax in London are small, and prices firm, at from 8*l.* 10*s.* to 8*l.* 15*s.* for bleached Calcutta, 8*l.* for East Africa, and 9*l.* for Jamaica.

WAX, CARNAUBA.—From Hamburg the following prices are quoted without engagement: Choice flor., 225*s.* to 230*s.*; yellow to good yellow, 195*s.* to 205*s.*; medium yellow, 155*s.* to 180*s.*; fatty grey, 131*s.* to 132*s.*; current grey, 142*s.* to 143*s.*; bleached prime white, 58*s.* to 59*s.*; and ground, 153*s.* to 154*s.* per cwt. c.i.f. net, U.K. ports. In London business has been done at 125*s.* for waxy, the market being easy.

WAX, JAPANESE.—Spot market is steady at 56*s.* 6*d.*, with sales thereat, and to arrive 51*s.* c.i.f. is quoted.

WAX, PARAFFIN.—The following are current quotations: 130 to 135 M.P. (B.P.) 3*d.* per lb., and 140 to 145 M.P. 3½*d.* per lb. in 2-cwt. cases, ex warehouse London.

Manchester Chemical Market.

February 10.

There is a steady feeling in most chemicals; export returns showed up fairly well, and the outlook in heavy chemicals is good. There is no official change to note in any department: 58-per-cent. alkali is quoted at 3*l.* per ton, in bags. White caustic soda, 76 to 77 per cent., 9*l.* 7*s.* 6*d.* to 9*l.* 12*s.* 6*d.*; and 60 to 62 per cent., 8*l.* 7*s.* 6*d.* to 8*l.* 12*s.* 6*d.* per ton, in drums, on rails. Bleaching-powder in fair demand, under contract, at from 5*l.* 2*s.* 6*d.* to 5*l.* 7*s.* 6*d.*, on rails. Chloride of calcium steady at 2*l.* 7*s.* 6*d.* to 2*l.* 12*s.* 6*d.* per ton. Crystal carbonate quoted 6*l.* 5*s.* per ton, in 2-cwt. bags, on rails. Bicarbonate of soda, 5*l.* per ton, in kegs. Soda-crystals, 40*s.* to 45*s.* per ton. Phosphate of soda, 9*l.* 10*s.* per ton. Borax in fair demand at 17*l.* 10*s.* per ton for lump. Pot and pearl ashes quiet. Bichromate of potash is 38*l.* per ton. Sulphur steady, with flowers offering at 8*l.* 15*s.*, in 2-cwt. bags; roll, 7*l.* 2*s.* 6*d.*, in 3-cwt. barrels; rock, 5*l.* 15*s.*, in 3-cwt. bags, on rails, at works. Sulphate of copper remains about unchanged, though there is an upward tendency.

Heavy Chemicals.

The general tone of the heavy-chemical market continues satisfactory, and the all-round demand both against existing contracts and on new account is good. Values maintain a steady tone, and are mostly unaltered.

SULPHATE OF AMMONIA shows a further decline, and, generally speaking, buyers are not keen either about prompt or forward. In some quarters a distinctly better tone is anticipated at an early date, and this idea seems to be mostly based on the advancing season of the year. Present nearest figures: London, 25-per-cent., 11*l.* 10*s.*; Leith, 12*l.* 7*s.* 6*d.*; Liverpool, 12*l.* 6*s.* 3*d.*; and Hull, 12*l.* 3*s.* 9*d.* to 12*l.* 5*s.*

BARIUM-PRODUCTS.—This branch calls for little special comment. There is a very steady, but not in any way abnormal, demand, and prices are well maintained at late rates. Blanc-fixe, pure precipitated barium sulphate, in paste form, 6*l.* 10*s.* to 6*l.* 15*s.* per ton, in 3 to 9 cwt. casks; mineral sulphate of barytes, 32*s.* 6*d.* to 100*s.* per ton, according to quality, quantity, and package; chloride of barium, large or fine crystals, 6*l.* 5*s.* to 7*l.* per ton, in 9 to 10 cwt. casks; precipitated barium carbonate, 98 to 99 per cent., 5*l.* 17*s.* 6*d.* to 6*l.* 10*s.* per ton, in 2-cwt. bags; crude calcined barium sulphide, 70 to 75 per cent. BaS, 5*l.* 15*s.* to 6*l.* 5*s.* per ton, in 5 to 6 cwt. casks; hydrate of barium crystals, 12*l.* 5*s.* to 13*l.* 5*s.* per ton, in 6 to 7 cwt. casks; concentrated solid, 56 to 60 per cent. BaO, 13*l.* 10*s.* to 13*l.* 15*s.* per ton, in 6 to 7 cwt. drums; concentrated crushed, 15*l.* to 15*l.* 5*s.* per ton, in 6 to 7 cwt. casks.

Continental Drug and Chemical Markets.

CASSIA FISTULA.—First supplies of new crop arrived, but are not offered as they went into firm hands; m.27 per 100 kilos. is quoted for February-March shipment, while good from the old crop can be bought comparatively cheaply at m.24 on spot.

CITRIC ACID is cheaper. Spot (Hamburg) is offered at m.415 and forward delivery at m.410 per 100 kilos.

IPERCACANHA is somewhat weaker in Hamburg, at from m.17 to m.17.5 per kilo. for Rio and m.15.25 for Cartagena.

KOLA.—Prices are slowly improving, as no supplies have come in recently, and it is thought that the crop has come to an end. Quarters are offered at m.62 and halves at m.60 per 100 kilos.

MANNA.—The slight interest shown for some time past has brought prices to a low and advantageous level. Primary holders who have capital seem disinclined to sell at the

present low prices, hoping for an improvement; needy holders are, however, willing to make concessions.

QUILLATA.—For a few days past there has been a great scarcity of spot (Hamburg). The various markets seem to be urgently in need, and are therefore buyers. In Hamburg whole on the spot is firm at m.72 per 100 kilos. Prompt shipment from Chile is not offered at present.

THYMOL.—On account of the scarcity of raw material, thymol is very difficult to obtain for prompt. For delivery over the first six months of 1914 m.15 per kilo. is quoted.

TONKA BEANS.—At the lower prices there has been a little more demand. Para selling at m.5.50 per kilo. and Angostura at m.12.50.

Cannabis Indica Duty.

The following is a copy of the official order increasing the Excise duty on "Bombay guaza-tops": "In exercise of the power conferred by Section 19 of the Bombay Abkari Act, 1878 (Bom. V. of 1878), the Governor in Council is pleased further to amend Government Notification in the Revenue Department, No. 4029, dated the 12th June, 1901, as amended from time to time, by directing that, with effect from the 1st day of April, 1914, a duty of rupees seven and annas eight (Rs. 7-8-0) per seer shall be levied on all ganja:

(a) Permitted to be imported into any part of the Bombay Presidency in accordance with the provisions of Sub-section (1) of Section 9 of the said Act; or

(b) Manufactured in the Bombay Presidency under any licence granted in accordance with the provisions of Section 14 of the said Act."

[This brings the Excise duty to the equivalent of 5s. per lb. EDITOR.]

French Customs Laws.

The French Budget proposals for 1914 include an alteration in the Customs law which, if carried into effect, will cause a heavy loss and great annoyance to foreign shippers. The present margin of error allowed by the French Customs in weight-declaration is 5 per cent. on all goods, except those taxed by weight at fr.10 or less per 100 kilos. other than metals. That is to say, importers are not fined for an error in declaration if it is less than that percentage. The Government now proposes to reduce the toleration to only 1 per cent., this constituting, in fact, no practical margin of error at all. The matter is referred to in detail in the January circular of the British Chamber of Commerce in Paris, which states that it is also proposed to place the system of fines on a severer basis. Instead of being, as heretofore, four times the duty compromised, the fine will be fixed at fr.125, and the goods will, in addition, be confiscated or subject to a fine of equivalent value. The British Chamber is making strong representations to the French Government on the matter.

Carnauba Wax.

Mr. Richard Brückner, of Hamburg, has issued an interesting circular letter giving in detail the conditions of the carnauba-wax market in Hamburg and Brazil. In the course of which he states that the demand in January was considerable, owing to tired holders accepting lower prices. Consequently stocks are now considerably less, and as large parcels cannot be counted upon before the end of February or beginning of March, prices are relatively cheap, and, although they may still decline a little further, yet they are favourable for buyers to cover. Moreover, if speculators should enter the market, prices may easily advance by "leaps and bounds," as in previous years. Last year speculators began operations at about m.300, without, however, meeting with any success, and it is probable that their operations on the year left them with a heavy loss. First yellow is in slight demand, as prices are relatively too high; medium yellow, on the other hand, finds a ready outlet at full prices; current grey will become cheaper, as the consumption, in consequence of the difference in price as compared with fatty grey, has declined considerably. Reviewing the year 1913, the circular states that since January prices have fallen considerably, and they are now on a more healthy basis, fatty grey being 20 per cent. cheaper. It is desirable in the interests of all that the present reasonable values should be maintained for a lengthy period, in order that speculation may be eliminated. The circular concludes with statistics giving the monthly fluctuations in prices (marks per 100 kilos.), the price movements for the past ten years, direct arrivals in Hamburg (1913, about 1,690 tons), showing quantities of each kind, the bulk of which was fatty grey (69 per cent.). The direct arrivals from Brazil in 1913 were 10,000 bags to Liverpool and 10,240 bags to New York, showing that the exports from Brazil were the highest on record. At the end of 1913 Hamburg stocks were 5,000 bags, and Liverpool about 2,600 bags.



Memoranda for Correspondents.

All communications must be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with. Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in the columns if they are considered to be of general interest. Correspondents are requested to write each query on a separate piece of paper. Every endeavour is made to reply to queries without delay, but insertion of the replies in "the next issue" cannot be guaranteed, nor, as a rule, can they be sent by post. Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed.

Appeals to the Insurance Commissioners.

SIR,—As Secretary of a Pharmacists' Association in I, through your columns, thank Mr. Rock for his letter. Our position here is very similar to that of the Ber County C.A., and, like them, we have our backs against the wall. Two facts existent in this area may be of interest:

1. We have thirty-nine patients receiving Sanatorium Benefit; for these over 600% was paid as attendance-fees last year.

2. For the same period 1,800 odd insured persons failed to select their medical attendant. An allocation ensued such to be in force for three years, notwithstanding the possibility that many, if not all, may leave this area during that time.

I do not suggest for one moment that the medical men draw more money than their services entitle them to; on the contrary, what I contend and know is that the things have not been obtained except by a bold front, which attitude, within certain limitations, might be adopted by all, to the ultimate benefit of our craft. "Benefits lost are hardly regained," and for that reason we are contesting the Commissioners' decision that what little improvement we had over and above the bare Tariff last year should be ours no longer. In this we are supported by the Panel and Insurance Committees. Unless we move forward, not blindly, but with circumspection we shall undoubtedly slip backward, and to those whose policy is to accept the first (and lowest) offer without murmur, I commend Virgil's dictum, *Facilis descensus averno, sed revocare, hoc gradus est*. Will pharmacists please remember that the members of the new Executive Committee of Local Associations are their representatives, able and willing to carry their collective ideas into debate at headquarters? Do not let these excellent representatives degenerate into the prototype of the average M.P.—sent to Westminster to do what he likes when he gets there.

Yours faithfully,

H. J. SADLER.

Cowes.

Hon. Sec., Isle of Wight P.A.

Rural Area Insurance Dispensing.

SIR,—Re the Insurance Dispensing query, "J. H., C. & D., January 31, p. 215, the utter absurdity of the mile limit must be apparent to anyone who gives it a moment's thought, which I think the following illustration will show:

Assume an equilateral triangle having its sides 1.765 yards, with P at the apex and C and D at either end of the base. The letters used will need no explanation. D dispenses for P because C is more than a mile from P, yet D is just as far from him as is C. Disconnect the triangle at D and swing round the side D C so that P C D C becomes a straight line.

P and C are 1.765 yards from each other, likewise C and D, but P is 2×1.765 yards from D, yet D does the dispensing. Why? Because is not C more than a mile from P?

But, you argue, is not D twice as far from P as is C, and P has to pass C's door to get to D? Quite so; but then



Act says nothing about the distance of D from P. It only the poor chemist who has to labour under this bility.

hus the letter is carried out, but not the spirit of the g. Why the mile limit at all? I take it that that because P might have to go to C when C might be s away, and D was quite close at hand. But, then, service to count at all? My prescription-record ys that "John Jones" has had thirty-four scripts ensed at a cost to the Committee of 3*l.* 12*s.* during the ve months just ended. Now, would he, under the club system, have been so favoured, and would he be avoured out of a *per capita* grant of 1*s.* 6*d.*? It would well to remind Mr. Lloyd George that his avowed aim dividing the prescribing and dispensing was that the red person should get his medicine dispensed for him like conditions with the millionaire. The mile limit he rural districts simply means the perpetuation of club system.

ow, what are the lines upon which an amendment of regulation should run? How can we put these ard successfully? The first is the more difficult tion, but it appears to me that what really matters is distance of the doctor from the chemist. Hence I d argue as follows: Where the insured person is e than a mile from the nearest chemist, but the doctor nding is not more than half a mile from the chemist, chemist shall do the dispensing. Notwithstanding t is stated in the preceding sentence, the chemist shall e dispensing if he be nearer to the patient than is the or, even though the chemist be more than half a mile n the doctor. In all cases the patient shall have his ensing done by the chemist if he so elect, notwith- ding the foregoing provisos.

st how we can get amendments to the regulations may ummed up in one word—"agitate." We shan't get t we want by sitting still and grumbling. If one man ch county area would organise the men in his area and their views, a course of action could be decided upon, a signed request on those lines could be sent to the Pharmaceutical Committees and to the Pharma- cal Standing Committee. If this fail, then we could oach the Commissioners.—Yours faithfully,

JUSTITIA. (115/68.)

"An Old Friend."

R,—“Xrayser II.” certainly speaks with lofty scorn he “Firebrand of Hereford,” but I certainly think rayser II.” is one of those who under the Insurance sits in his armchair and counts the “tuppences” and ets about the labour in making up medicines. Selling patent medicines with twopence on the shilling is erable to Insurance dispensing at the present rate of uration. You can sell twenty patents the time you e up one Insurance prescription, and seeing that ayser II.” has passed the *pons asinorum* in his youth, ill be able to calculate the difference in profit. How s able to see that making cachets at 4*d.* per doz. and or next dozen, powders and pills at 3*d.* per doz. and per extra dozen, pays his labour—well, I am sorry i not have the opportunity to serve my apprenticeship him, as I might then have turned out a lightning ker. I notice one doctor has written saying the visit ks out about 1*s.* 6*d.* per time, and one doctor I spoke aid his was 2*s.* We (the pharmacists) get 2*d.*, and aps have every bit as much work, if not more.

Yours truly,

PHARMACIST (112/64.)

his correspondent submits two “problems.” One is telligible (ung. acid. boric. 3*j.* in a chip-box) and the r is “emp. bellad., 8 in. by 14 in., 3*d.*” The pricing is wrong; according to the Tariff issued by the Stand- Committee on Insurance, the price should be 9½*d.*—i.e., sq. in. at 1*d.* per 12 sq. in.—EDITOR *C. & D.*

Free Choice of Chemist.

R,—Seeing that a doctor at Middlesbrough is found t with for s'gning prescription-forms in blank and ing the chemist to fill them in, does it not amount to rly the same thing if a doctor sees patients and es the prescriptions to one particular chemist, ordering

his patients to call on that chemist whether they wish it or not? Is this what the General Medical Council would call professional conduct?—Yours obediently,

P. D. (118/50.)

SIR,—I expected to see some comment on the letter of “Fair Play” in your issue of January 31. In my opinion it touches a very weak spot in the working of the Insurance Act. We admired the doctors fighting for fair play for themselves, but surely they ought to allow the chemist the same. Scotland, I believe, is worse than England in this case, as previous to the Act there was so much “thirling” of doctor and chemist together in Scotland; not altogether in consideration for the patient either. This, of course, will be pooh-poohed. All the same, it is one of the main reasons the Act has hit chemists north of the Tweed so hard. We all go through the same mill, and should be above seeking mean advantages.

Yours obediently,

FAIR PLAY NO. II. (120/17.)

The Associations' Executive Committee.

SIR,—Permit me through the *C. & D.* to thank most sincerely those delegates to the Holborn Conference who supported my candidature for membership on the new Executive Committee. Three more votes and I should have been successful. This election illustrates in a most striking manner this point—if the sparsely populated counties are to have any representation on the Executive Committee it must be on a territorial basis. Practically the large towns have swept the board, and London, if the President and Secretary are included, has already six members and may have a seventh, while the Midland, Eastern, and four Northern counties are left out entirely. It is to be hoped that the new Executive Committee will remedy this and provide a satisfactory scheme whereby the different areas will be fairly represented. No doubt it was a great disadvantage to the conference delegates that they did not know the names of their fellow-delegates until they met in the conference hall, and even then they were personally unknown to each other; whereas if there had been any organisation to draw them together in groups and settle upon some definite plan of procedure the isolated units might have been made perfectly homogeneous and carried their points. Another drawback was the adoption of the House of Commons mode of dealing with the various motions; no doubt it expedited the business, but it was a great drawback to those who wanted to support certain motions, like those of Liverpool, Manchester, Lancashire, and West Riding of Yorkshire as a whole. Let me say how all praised the open, frank, and generous way in which the President threw himself into the arms of the delegates and was willing to abide by the result of their decision. This had an excellent effect upon the meeting.

Yours truly,

Keswick.

T. W. TOWNLEY.

Old Mortars and Mementoes.

SIR,—I was interested in the article “Old Mortars and Mementoes” by Charles Rowed in this week's *C. & D.*, especially as regards the pewter spoon (fig. 2). I found two of these in my pharmacy when I purchased the business, and have often wondered what they were.

Yours truly,

Bristol, February 3.

W. H. DUNFORD.

SIR,—Mr. Rowed's interesting article in the *C. & D.* of January 31 speaks of a pewter spoon, and he asks, “Who remembers giving a dose of castor oil with a spoon of this design?” I have been in the business fifty-five years, and fifty years ago I used to sell these spoons. I used one in my own household when the children were young. It was not necessary to twist the spoon and so let the lid drop open. The idea was to keep the lid closed, so avoiding much of the nauseous taste of any medicine. Placing the spoon in the mouth in the ordinary position the administrator put his forefinger firmly on the end of the hollow handle till the spoon was in position, then on removing the finger the contents escaped at the other end and there was no possibility of spitting them out; they had to be swallowed.

Yours truly,

Hastings.

THOS. D. VINT.

C

SIR,—If Mr. J. E. Rowell will examine his castor-oil spoon again I think he will find the name is J. & S. Maw, and not T. & S. Maw; and if he will refer to page 156 of *THE CHEMIST AND DRUGGIST*, January 31, 1914, he will find interesting particulars of this old firm and their connection with pewterers. The spoon which Mr. A. E. Bailey has will no doubt be older than mine, as the earlier patterns had shorter lids hinged higher up, and no hole at the end, but this shape would not release the oil completely. Dixon & Son evidently devised their style to get over this objection. I do not think it likely any of these spoons had other than hollow handles, a passage to admit air being helpful to the liberation of the oil. As regards Mr. Ernest T. Bell's fine mortar, I fail to see how he can get at its value without trying to sell it; the price obtainable depends upon the means and disposition of the collector met with.

Yours faithfully,
St. Helens. CHAS. ROWED.

SIR,—I do not think the pewter spoons are so antique as suggested, both by Mr. Rowed and Mr. Bailey. This business is no more than fifty years old, and there was one of them in stock when I took it over. Like Mr. Bailey, I was also puzzled as to its use, but I got my enlightenment at the Wellcome Museum. Can you tell me up to what time it was necessary to obtain an Excise licence for the sale of pepper? I have two here issued in 1864 and 1868 (including also the sale of tea and coffee), for which a charge of 11s. 6½d. each was made. It would be interesting to know why the ½d. was charged.

Yours faithfully,
Hendon, N.W. STEPHEN P. SAYERS.

[The Customs duty on black and white pepper was at one time 2s. 6d. per lb., or four times the value of the spice; but it was reduced, with fluctuations, until the duty was repealed in 1866, when it was 6d. per lb. After the repeal of the Customs duty the licence-duty continued to be payable for the sale of pepper, as it was included with tea, coffee, cocoanuts, and chocolate in one licence and duty, which were repealed in the 'seventies. We hope to give the exact date in a later issue.—EDITOR C. & D.]

Problems for 1914.

SIR,—There is one point to which, in my opinion, insufficient attention is given by retailers, and that is the totally inadequate profit allowed on proprietaries owned by houses in the wholesale drug-trade—firms inviting and relying upon our support in their ordinary everyday business. Is it any wonder that the patent-medicine proprietor pure and simple, who, in a sense, is outside the trade inasmuch as he has no attached drug or sundries business, follows the example and considers the same small profit sufficient for our needs? How pharmaceutical wholesale firms can pursue this policy of "hunting with the hounds and running with the hares" is a mystery to me. It has been demonstrated very clearly that the chemists' average working expenses are not less than 20 per cent. of his turnover, and the handling of any article, therefore, which bears a profit falling below this margin means trading at a loss. This, unfortunately, applies to the great bulk of the present-day proprietaries in frequent demand. With the increased cost of living, or, in other words, the decreased purchasing power of a sovereign, the retail chemist is forced to consider his position seriously. At any rate, the time is ripe—in fact, over-ripe—for wholesale proprietary-owning drug-firms to review their relationship to the retail trade.

Yours, etc.,
Dublin, February 7. MALT AND OIL. (119/49.)

[It is well to note that working expenses amounting to 20 per cent. per annum and profit of 20 per cent. on an article, calculated on cost, are not strictly comparable; for if the turnover of the article occurs three times a year the profit is 60 per cent. per annum.—EDITOR C. & D.]

SIR,—Allow me, please, to follow Jay Mack (*C. & D.*, January 31, p. 158).

a. Old fittings: Chemist's own fault, surely.

b. Window-fittings are often out of date, but are easily altered without ruinous outlay: Slavish imitation of drug-company branches a big mistake.

c. Travelling system antiquated: This is so, but one wants to see the newest goods. This is where the chemist has the pull over the drug-branch manager, who has to take what

he can get. The chemist is miles ahead in drugs and sundries.

d. Wholesale houses slow: This is so, and one established firm I have always to write to, after wait some days for receipt of payment. "Please send receipt for cash sent," etc.

e. Dusting: I don't agree; chemists' shops want in-duster and less dust. Jay Mack might adopt the following plan, which I found existing at one shop I managed. When I took over the management I started to clean place out, and coming to the window-enclosure found it all sealed up—brown paper pasted over all cracks and crevices. I thought the window wanted re-dressing, so started on a task which I afterwards wished I had alone. It was a good idea sealing up that window.

f and g. Apprentices' education and assistants: Fault chemists entirely. A badly trained master means a badly trained assistant usually. Sometimes the man turns out better than, and in spite of, his master. The big company can be safely left to train its own men for its own purposes. It is, of course, rough on the young men, but it is not our fault, neither is it our business. The company-trained apprentice turns out, from all I have seen, a heard, untidy, very wasteful, and not very accurate, and knows nothing of pharmacy. The ordinary chemist can do with him.

Jay Mack criticises the accountant, but here he touches a distinct and very up-to-date profession. The accountant makes the most of his opportunities, magnifies trivialities: a missing halfpenny sets several departments to work, each one overlapping the other—it were easier to scoot off with a cartload of goods! This is, so I told, real up-to-date trading and account-keeping. The private chemist can at the least economise in various ways. Jay Mack appears to be rather pessimistic. Let us ask one question: Who is getting the bulk or full share of Insurance dispensing, the stores or pharmacists? In my opinion when it comes to the question of drugs—i.e., medicine—it is the chemist that scores.

OPTIMIST. (117/45.)

The Future of the Drug-trade.

SIR,—During the twenty-five years in which I have read the *C. & D.* I have often been interested in the letters by Jay Mack. I wonder why it is that he is alarmed by "poor assistants" and "rotten assistants" to which unfortunate individuals he refers three times in his article of January 31. Surely Jay Mack has been in business long enough on his own to have had the opportunity of training his own men in his pet ideas. But perhaps it is because the large firms pay their men whether Major or Minor, qualified and those with a qualification at all—a far higher wage than the 50s. per week to which Jay Mack has referred in somewhat strong language on various occasions. I am inclined to think that Mr. Mack has retained many bad old-fashioned ideas, and most people would like to have a chance of seeing the up-to-date pharmacy run by Mr. Mack. It is to be hoped that the gentleman will publish the address at which he may be seen at actual work.

Yours, etc.,
G. E. OLIVER.

Dental Chemists.

SIR,—I can endorse all that "Another Allen" has written re expense should a dental chemist desire to obtain the L.D.S. diploma. A few months ago I applied for registration as a dental student. My certificate showed forty marks in excess of required standard in French, and fifteen below in Latin, but I modestly mentioned the subjects of my Minor examination passed in 1912. My application was promptly refused. I certainly thought that the six months' chemistry and physics section of the curriculum would not be required from a pharmacist, but the Minor counts as absolutely nothing, one cannot get excused a single hour. Although the dental chemistry is very easy for a Minor man, one begrudges the six months' time. The average dental chemist has nothing to his credit in the dental curriculum, and as the Pharmaceutical Preliminary is now so much easier than the Dental Preliminary, the breach between pharmacist and dentistry becomes wider, which seems a great pity because next to the dentist *cum curricula*, the pharmacist is the only man to whom the Government could look for help to administer dental benefit under the

ional Health Insurance Act. Probably the Pharmaceutical Council could get the Minor accepted foristry and physics if it cared to interest itself in matter, which no doubt is highly problematical; but "Another Allen" and other dental chemists who have ed the Preliminary, just discarded as too hard for re pharmacists, I would suggest that they devote e hours per day to four subjects of the Dental Preary, pass them, and then enter for the remaining subjects.

Yours, etc.,
H. T. PRICE.
H. T. PRICE.
H. T. PRICE.

Prices of Proprietaries.

R.—I wish to enter a vigorous protest against the ever-easing number of proprietary articles which do not rtise their approximate price. It would be far easier the chemist to sell these if we had an easy way of ving at the price. At present we should dive into the number of the *C. & D.*, consult forty price-lists, and n, but we do not because if we do find the price we that there is 1½d. for us after twenty minutes' labour. ult: another lost sale for the advertiser. Last week, instance, we have been inundated with orders for amelole Compound"—at least, that is what our omers ask for. Well, we have stemmed the tide by aining that there is an epidemic among the only herd amels in England, consequently no compound.

Yours truly,
PANEL CHEMIST. (119/55.)

Subscribers' Symposium.

or questions, answers, incidents, and interchange of opinions among "C. & D." readers.

Wootton's "Chronicles."

I have received the Wootton's 'Chronicles of Pharmacy,' and I am delighted with them. Had I not been subscriber to THE CHEMIST AND DRUGGIST, I should never have known anything about this book. Thanking you for your kindness to me in the past."—(119/40.)

Attracting Dogs.

Perhaps the following may be useful to 'Hovite' (119/44). It was told to me by a notorious Leadenhall street dog-dealer (? stealer) over twenty years ago, and said it would make any dog 'follow you to 'ell.' Get a horse liver and boil it, and when cold and crumbly add a few drops of oil of anise. Rub the prepared liver on the heels of your boots and bottoms of trousers, and dogs attracted and follow you anywhere. He said it was a great secret, and gave it to me as a great favour, but I never tried it."—Chas. Spencer.

Appreciations.

I cannot speak too highly of the help I have received only from the students' columns of your ideal chemists' publication, but also from the *C. & D.* as a whole."—A. Q. (119/40.)

As a thirty-three-year-old reader of your splendidly condensed journal, I have much pleasure in renewing my subscription once again. No 'stick-in-the-muds' should read *C. & D.*; it is far too live a journal for them. When any of my friends confess that they do not get your journal, I always feel sorry for them missing such a good journal fifty-two times a year. I have during the past four years found the 'Buyers' Guide' in your *Diary* of immense service, especially with reference to new goods and drugs. My best wishes for the prosperity of the *C. & D.*"—H. M. (Edinburgh).

Another Clinical Story.

Your note, 'The Semite and the Clinical,' in the Winter (which issue, by the way, is one of the most interesting I have seen), recalls an experience which fell to my lot many years back. Having a heavy cold, I rolled into bed on Saturday night, rejoicing in the prospect of a long rest on Monday morning. Alas! at about 9 A.M. my wife came up, saying a gentleman wanted to see me. When I got down to the shop a gentleman who used F.R.C.S. after his name led me a clinical, saying 'his maid was ill, and he wanted to take her temperature, but could not see the doctor.' Taking it from him, I perceived that it bore the name of a London firm, and that the mercury was at its hardest to get out at the top end. After much questioning my disturber remarked, 'Oh, well, I warmed it the fire before I put it in her mouth.' This is a fact, though I can well understand it is difficult to believe that a gentleman with any right to the diploma he used could be so grossly ignorant."—W. H. B. Rouse (Swanage).

Insurance Dispensing Queries.

EMP. BELLAD. ON LEATHER.—*Devonian* (119/26).—The average size of plaster-skins is 30 in. by 28 in. (excluding the neck portion). This size is listed at 3s. each. Adding one-third gives a charge of 1d. for each 18 sq. in. used for an Insurance prescription, including the margin.

ELASTIC STOCKINGS.—*Hosiery* (115/37).—Elastic stockings are not on the schedule of appliances included in the Medical Benefit Regulations, and panel chemists should not supply them expecting that they will be paid for by the Insurance Committee. The best plan, when any order is received for elastic stockings from a panel doctor, is to inform the doctor that they are not included in the schedule, and allow him to make arrangements with the Insurance Committee.

FRIENDLY SOCIETIES' DISPENSARIES.—*Leam* (119/66) is a registered chemist on the panel who also acts as dispenser for a Friendly Society which is on the panel. Must he exhibit his certificate in the premises of the Friendly Society? [The answer to this depends upon the position of the Friendly Society. If it dispenses to insured persons in accordance with the provisions of the Harmsworth amendment, "Leam's" certificate is not necessary, as the provisions do not require its exhibition. If, on the other hand, the dispensary is on the panel, it must be so in virtue of the fact that it is a limited company carrying on business in accordance with the provisions of the Poisons and Pharmacy Act, 1908, and that business must be superintended by a registered chemist—namely, "Leam"; his name as superintendent should be communicated to the Pharmacy Act Registrar, but it will not be necessary for him to exhibit his certificate in the dispensary. It is to be noted that, although the 1908 Act prohibits a registered chemist from acting as superintendent to more than one company, it does not prohibit him carrying on business as a chemist on his own account simultaneously.]

Legal Queries.

The majority of difficulties in regard to trade law are anticipated by the legal information printed in "The Chemist and Druggist Diary," 1914. See especially pp. 469-499.

BAGG (120/52).—(1) The label does not make the preparation liable to stamp-duty, nor will the words that you propose to add change this. (2) An applicant for an off licence may be represented in court by a solicitor; his own attendance is not compulsory.

Ph.C. (112/3).—A and B own adjoining properties, which are separated by a wall. For over thirty years the roof of a building on B's side rested on the wall, and the eaves projected over A's property. The wall was about 10 ft. high, and in it was a small window. About three years ago B raised the wall about 4 ft., and let in two windows overlooking A's house. Six months ago B again built upon the wall so as to darken A's stores and yard. Was B entitled to build upon the whole thickness of the wall, and is A entitled to damages for the loss of light? [Since there was formerly a roof with eaves overhanging A's property, the wall is probably B's external wall, in which case he was entitled to build on the whole of it. If, on the other hand, the wall is a party wall, B is liable in damages for building on A's half of its thickness. In any case, if B has built so as materially to diminish the flow of light and air to, and thus interfere with the use of, A's property, A may succeed in recovering damages, and may possibly obtain an injunction; but he should consult a surveyor before taking legal proceedings.]

Miscellaneous Inquiries.

We do not undertake to analyse and report upon proprietary articles, and when samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

We do not as a rule repeat information which has been given in this section during the past twelve months, as it occupies space which can be more profitably utilised for other information. In such cases the numbers are mentioned, and if querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published price, usually 6d.

A. H. B. (108/13).—BOOKS ON THE HAIR AND SKIN.—The following will be found useful: Leftwich's "Preservation of the Hair" (Wright, Bristol, 2s.); Startin's "Care of the Skin and Hair" (Wright, Bristol, 2s.); "Face Treatment" (Truslove, 2s.).

NATIONAL HEALTH INSURANCE.

**HOMŒOPATHIC N.H.I. DISPENSING.
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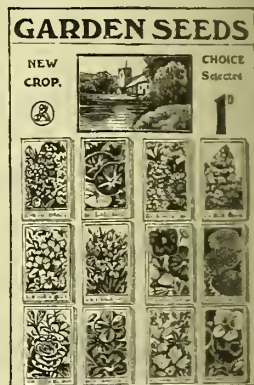


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<p>Juniper, 28 lbs. @ 22/-; 7 lbs. @ 3d. lb. Bismuth, P.B., Carb., 28 lbs. @ 8/8 lb.; 7 lbs. @ 8/10 lb.; 3 lbs. @ 9/1 lb.; 1 lb. @ 9/3 lb.; subnit., 1/- lb. less. Carb. præcip. 5 cwt. @ 13/- cwt.; 1 cwt. @ 16/- cwt.; 28 lbs. @ 21/- cwt. Thor, English Flowers, "not artificial," 28 lbs. @ 2/- lb.; 1/4 or 1/2 oz. 7 lbs. @ 2/- lb. eum, No. 1, fine white, 64 lbs. @ 11 1/2 lb.; 1 lb. @ 1/1 lb.; powder, 7 lbs. @ 1/6 lb. ne Hydrochlor., B.P., 25 ozs. @ 4/8 oz.; 25 ozs. @ 5/3 oz.; 1 oz. @ 6/- oz. ne Tartar, 98% powder, 1 cwt. @ 94/6 cwt.; 7 lbs. @ 11d. lb. a, English Ground, 7 lbs. @ 1/11 lb. sio Ol. Morrhuæ, 5 lbs. @ 11d. lb. Ess. Pear (artificial), Jargonelle, 5 lbs. @ 1/- lb.; Bergamot, 2/6 lb. Pineapple, 5 lbs. @ 3/4 lb. [lb. Raspberry, 5 lbs. @ 2/2 lb.; 1 lb. @ 2/6 lb. Vanilla Beans, 5 lb. @ 4/4 lb.; 1 lb. @ 7/7 lb. Belladonna Liq., B.P., 5 lbs. @ 4/3 lb.; lb. @ 4/8 lb.; solid, 7 lbs. @ 4/- lb. Cascara Sag. Liq., B.P., 1 cwt. @ 1/0 1/2 lb.; 10 lbs. @ 1/2 lb. Ergot. Liq. P.B., 5 lbs. @ 4/- lb.; 1 lb. @ 4/6 lb. Ammon. Cit., P.B., 28 lbs. @ 2/3 lb.; 1 lb. @ 2/4 lb. et Quinina Cit. P.B., 500 ozs. @ 5 1/2 d. oz.; 100 ozs. @ 6d. oz.; 25 ozs. @ 6 1/2 d. oz. erin. Opt., DD., 1.260 P.B., 1 cwt. @ 100/- cwt.; 56 lbs. @ 101/- cwt.; 12 lbs. @ 1/1 lb.</p>	<p>Morphina Acet. Hydrochlor. or Sulph., Pulv. B.P., 25 oz. @ 8/1 oz.; 16 oz. @ 8/3 oz.; 8 oz. @ 8/6 oz.; 1 oz. @ 9/6 oz.; Pur. Præcip. Bimeconate or Tart. 1 oz. @ 11/6 oz. Naphthalene Candles or Balls, 1 cwt. @ 13/6 cwt.; 56 lbs. @ 16/- cwt.; 28 lbs. @ 18/- cwt. Ol. Caryoph. Ang., B.P., 9 lbs. @ 4/3 lb.; 4 1/2 lbs. @ 4/5 lb. Ol. Juniperi Bacc., B.P., 4 1/2 lbs. @ 3/8 lb.; 1 lb. @ 4/- lb.; Ligne Exot., 1 cwt. @ 1/2 lb.; 28 lbs. @ 1/4 lb.; 9 lbs. @ 1/5 lb. Ol. Olivæ, P.B., good yellow, guaranteed pure 45 gall. Barrels @ 5/- gall.; 2 gall. tins @ 5/9 gall. Ol. Origani Rub., Coml., 28 lbs. @ 1/10 lb.; 9 lbs. @ 2/- lb. Opium Turc. B.P., 14 lbs. @ 16/8 lb.; 3 lb. @ 17/8 lb.; 1 lb. @ 18/2 lb.; powder, 6d. lb. extra. Papain 1-80, 1 lb. @ 16/6 lb.; 1 oz. @ 1/4 oz. Paraffinum Durum, B.P., 2 cwt. @ 3d. lb.; 1 cwt. @ 3 1/2 lb.; 56 lbs. @ 3 1/2 lb.; 7 lbs. @ 4 1/2 lb.; Mole Flav., B.P., 3 1/2 cwt. @ 20/- cwt.; 1 cwt. @ 30/6 cwt.; 28 lbs. @ 4d. lb.; 7 lbs. @ 4 1/2 lb.; Alb. B.P., 3 1/2 cwt. @ 58/- cwt.; 28 lbs. @ 7 1/2 lb. Paraldehyde, B.P., 7 lbs. @ 2/- lb.; 1 lb. @ 2/3 lb. Pepsin, B.P., 10 lbs. @ 9/4 lb.; 1 lb. @ 10/- lb. Phenacetin, P.B., pulv., 1 cwt. @ 2/11 lb.; 7 lbs. @ 3/1 lb.; 1 lb. @ 3/4 lb. Phenazone, P.B., 7 lbs. @ 6/11 lb.; 1 lb. @ 7/6 lb. Phenolphthalein, 7 lbs. @ 5/6 lb.; 1 lb. @ 6/- lb. Pix. Burgund. Druggists, 1 1/2 cwt. @ 25/6 cwt.; 7 lbs. @ 4 1/2 lb. Potas. Acetas. Gran. P.B., 28 lbs. @ 1/1 lb.; 7 lbs. @ 1/2 lb.</p>	<p>*Syr. Scilla, P.B. 7 lbs. @ 5d. lb. *Toluta, P.B., 7 lbs. @ 8 1/2 lb. *Tolut. P.B., 7 lbs. @ 8 1/2 lb. Thymol, 7 lbs. @ 7/8 lb.; 1 lb. @ 8/6 lb. Tinct. Aurantii Recens, B.P., 5 lbs. @ 3/6 lb.; bond, 8 1/2 lb. Aquos, 10d. lb. *Tinct. Belladon., B.P., 5 lbs. @ 2/11 lb.; bond, 6 1/2 lb. Aquos, 1/- lb. *Tinct. Benzoini Comp., P.B., 5 lbs. @ 3/6 lb.; bond, 9d. *Tinct. Camph. Comp. P.B., 5 lbs. @ 2/5 lb.; bond, 6 1/2 lb. Aquos, 1/1 lb. *Tinct. Cantharidis, P.B., 5 lbs. @ 3/9 lb.; bond, 6d. lb. *Tinct. Capsici, B.P., 5 lbs. @ 3/3 lb.; bond; 6d. lb. Aquos, 10d. lb. *Tinct. Card. Comp., P.B., 5 lbs. @ 2/3 lb. bond, 7 1/2 lb. Aquos, 1/- lb. *Tinct. Catechu, P.B., 5 lbs. @ 2/8 lb.; bond, 7 1/2 lb. Aquos, 1/- lb. *Tinct. Chlorof. c. Morph., B.P., 1885, 5 lbs. @ 2/- lb.; bond, 1/6 lb. *Tinct. Cinchon. Comp., B.P., 5 lbs. @ 3/5 lb.; bond, 1/0 1/2 lb. Aquos, 1/4 lb. *Tinct. Cinchon. Rub., P.B., 5 lbs. @ 3/- lb.; bond, 10d. lb. Aquos, 1/2 lb. *Tinct. Digitalis, B.P., 5 lbs. @ 2/8 lb.; bond, 6 1/2 lb. Aquos, 1/- lb. *Tinct. Gelsem. P.B., 5 lbs. @ 2/10 lb.; bond, 6 1/2 lb. Aquos, 1/3 lb. *Tinct. Gentiana Comp., B.P., 5 lbs. @ 1/11 lb.; bond, 7 1/2 lb. Aquos, 1/- lb. *Tinct. Hyoscyami, B.P., 5 lbs. @ 2/5 lb.; bond, 7 1/2 lb. Aquos, 1/5 lb. *Tinct. Iodl. B.P., 5 lbs. @ 4/4 lb.; bond, 1/8 lb.; decolor 5 lbs. @ 4/8 lb.; bond, 1/5 1/2 lb. *Tinct. Lavandula Comp., B.P., 5 lbs. @ 3/10 lb.; bond, 7 1/2 lb. Aquos, 1/- lb.</p>
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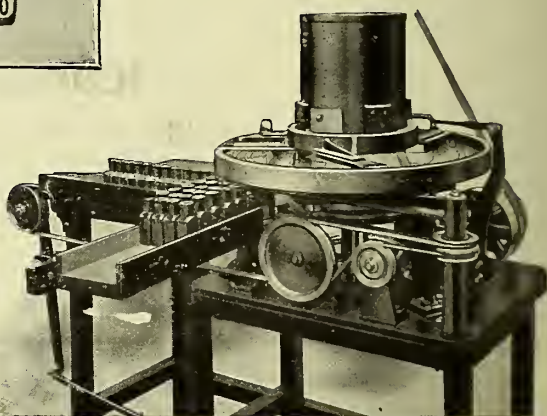
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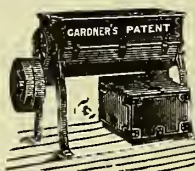
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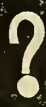
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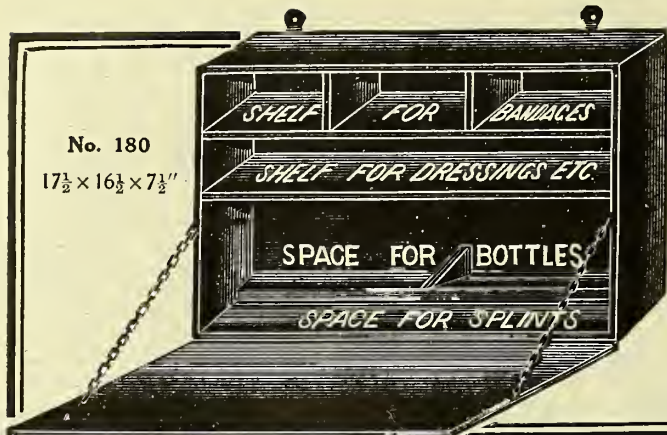
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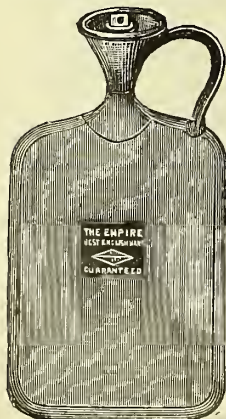


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Light		2 8	2 10	3 2	3 4	3 8	4 2	4 5	4 8	5 6
Covers, scarlet or grey plush, ..		0 8	0 8	0 10	0 10	0 11	0 11	0 11	1 0	1 2
" " " felt ..		0 5	0 5	0 6	0 6	0 7	0 7	0 8	0 10	1 0

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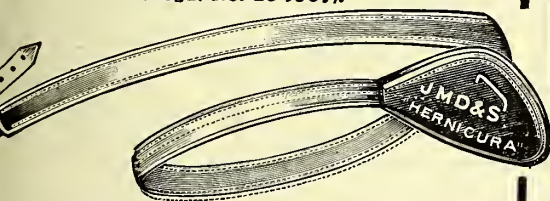
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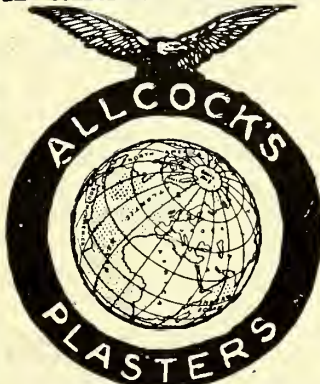
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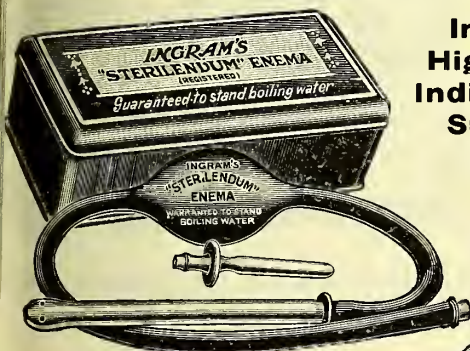
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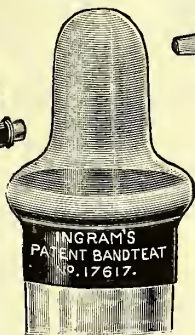
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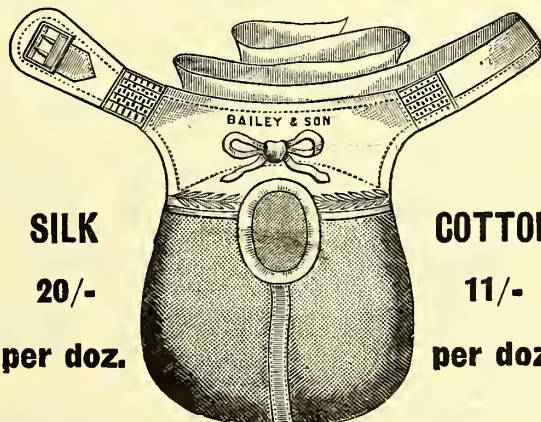
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SMALL Warehouse or Workshop, four floors, splendid light, within three minutes' walk of Liverpool Street; rent £60. Pearmain, 7 Spital Yard, Spital Square, Bishopsgate, E.C.

SUITABLE and well-positioned Premises, at £60 on lease, are available in rising residential neighbourhood within 15 miles and south of London, near Station, newly built, and mostly tenanted during past three years; energetic Chemist greatly needed; a Bank is coming into same block. "Lighthouse" (234/23), Office of this Paper.

TO Manufacturers.—Factory to Let (London) for summer months (April to September) only; plant can be used for making various Extracts; vacuum pans, steam extraction vessels, etc., all in first-class running order. Further particulars, 232/58, Office of this Paper.

SALES BY TENDER.

LANCASTER.—For immediate Sale by Tender, through death of the owner, an old-established Pharmaceutical and Dispensing Business, prominent position and leading thoroughfare; stock and utensils about £380. For particulars apply, Thos. Robinson, Accountant, The Arcade, Lancaster, to whom Tenders may be sent on or before 28th February.

TENDERS.

PARISH OF ST. MARY, ISLINGTON.

CONTRACTS.

THE Guardians of the Poor of the Parish of St. Mary invite Tenders for the supply of the undermentioned articles as and when required at the St. John's Road, Cornwallis Road Workhouse, Highgate Hill, Islington Schools, Hornsey Road, and the Receiving House, N., and the Outdoor Dispensaries in the Parish.

Drugs,
Druggists' Sundries.

Sealed Tenders must be delivered at the Office of the Guardians on or before February 24, 1914, addressed to the Clerk and endorsed "Tender for []" and the envelope must be opened there at a meeting of the Guardians on February 27, 1914.

The Guardians do not bind themselves to accept any tender.

Printed forms of tender (which alone will be received) contain conditions of contract and estimated quantities, and may be obtained from the Clerk personally, or a stamp of the size envelope may be sent.

By Order,

EDWIN DAVIS,

Guardians' Offices, St. John's Road, Upper Hornsey, N.
3rd February, 1914.

SALES BY AUCTION.

HOWDEN.

TO be SOLD by AUCTION, at Wellington Hall on Thursday, February 26, 1914, at 6.30 Freehold Dwelling House and Shop situated in Howden, occupied by Mr. T. F. Spivey, Chemist, years. Property substantially built with a front porch. Purchaser will be given the option of purchasing the Chemist and Druggist carried on in the above all fixtures and fittings, which are in good condition to be agreed or ascertained by valuation in the usual manner. Particulars can be obtained from Will Bentley or Englund & Sons, Solicitors, Howden.

FOR SALE.

REMINGTON No. 7 Typewriter; new condition; £20; sacrifice £6 10s.; free approval, or return. Dealers. White, Arcade, Northampton.

SUPERIOR Patent Medicine Article for immediate sale; stock, plant, registered name, formula, and a large number of genuine testimonials; everything first class and to be placed on the market; must sell; low price; opportunity for an enterprising party. 236/34, Office of this Paper.

TILL for Sale; second-hand; National; registers new; low price, cash. Write, "G. F.", 2 N. Wembley, N.W.

PARTNERSHIPS.

MANAGING Partner required by Baking-powder Manufacturer and Wholesale Druggists in Eastern Counties; good opportunity for young energetic man. Reply, stating experience and capital available, to Larking & Larking, Accountants, Place, Norwich.

SURGICAL-INSTRUMENT Business, selling known patent and other Instruments; wanted a little capital, sleeping on 120/60, Office of this Paper.

WANTED, qualified Branch Manager prepared to invest the amount of valuation of good-class Retail Dispensing Photographic business; net profit, after paying all expenses including salaries and commission, over 20 per cent. on capital invested; perfect security, with option of completing purchase or third similar appointment. Give full particulars, 242/5, Office of this Paper.

BUSINESSES WANTED.

wanted; returns £800 to £1,200; London Suburb. Reply, with full particulars, strict confidence, "Lox-45," Office of this Paper.

BERDOE & FISH, having recently been successful disposing of a large number of businesses, are in want of sound concerns with turnover from £600 to £1,000 buyers waiting; strict confidence guaranteed; indoors are cordially invited to correspond. Valuation every Street, London, E.C.

AGENCIES.

trade circulars, samples, and printed matter can be forwarded.

ERGER & SON, Groningen, Holland, well known to all chemists and Druggists in Holland, desire the Representation of Manufacturers; excellent references.

For London and large provincial towns, visiting chemists and Druggists, wanted by a French Manufacturing firm for sale of a novel article selling readily all over the country and commission to the right man. Apply to the 28 Rue Perrier, Levallois Perret (Seine), France.

WILLIAMS, Pharmaceutical Chemist and B.C. (formerly of Bournemouth, England), is open to agencies on commission for introduction of Drugs and Sundries in Victoria and Vancouver Island, B.C.; demand for all British manufactures; correspondence address, Sidney, B.C.

European House in India, established 40 years, requires Agencies; Chemicals, Drugs, Medicines; cash in advertising required. Write, Campion 58 F, Hatton Garden.

RY.—Agent, with excellent connections with Wholesale and Druggist houses, covering twice yearly the mail, is open to accept exclusive Agency for high-class on commission basis; principal at present in Paris. Office of this Paper.

ESTABLISHED firm require Manufacturers' Agent on Mineral Water Makers in Scotland to take up agency for Essences, etc.; liberal terms and monopoly in live particulars of present lines dealt in and area. Apply to "Flavourings" (239/8), Office of this Paper.

SITUATIONS OPEN.

6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

Advertiser may, if preferred, have replies to this Office, and forwarded on payment of an charge of 6d.

RETAIL.

UNDER-LYNE.—Young qualified Assistant wanted; £3 per week and commission; must be quick and a good Salesman. State age, height, experience, and photo, 240/11, Office of this Paper.

HAM.—A Junior Assistant wanted. Apply, Wm. Beck, Pharmacist, 75 Winsor Green Road, Birmingham.

MOUTH.—Vacancy for qualified Dispenser, about 22; no insurance work. Usual particulars please, with references, stating salary required, to Pars & Co., Westney, Bournemouth.

—Experienced qualified Manager for medium-class early as possible in March; present Manager going after seven years' management. State full particulars of last three berths to Stokes, Chemist, Bristol.

Y. Kent.—Junior Assistant required as soon as possible in class Light Retail, Dispensing, and Photographic work have good references; permanency. Apply, with age, stating age, experience, names of references, when and salary required (outdoors), to H. Kelf, Pharmacist, 32 The Broadway, Bromley, Kent.

CITY.—Qualified Assistant wanted; outdoors; no Sunday or night duty. Apply in first instance, by letter, to E. D. Foster, 56 Bishopsgate, City.

CROWBOROUGH.—A thoroughly capable Junior required in good-class Dispensing business. Apply, with full particulars of experience, age, height, salary (indoors), G. H. F. Dier, Pharmacist, Crowborough.

CUMBERLAND.—Qualified Assistant wanted for General Retail and Dispensing; hours 8.30 a.m. to 8 p.m., Sundays 6.30 to 8.30 p.m.; half-holiday; elderly or lady Assistant not objected to. State salary and references, El. & S. Watson, Ltd., Cleator Moor.

DERBY.—Young qualified Assistant required shortly, also Junior or Improver, for quick Counter and Veterinary business; outdoors; no Sunday or half-holiday duty. State references, salary required, and all particulars in first letter, Hart & Co., 7 Sadler Gate.

HALIFAX.—Outdoors; wanted at once, smart capable Assistant, used to Store business; must be tactful Counterman and good Window-dresser; no night or holiday duty. Apply, with full particulars, to Taylors' (Northern), Ltd., 4 Crown Street, Halifax.

HAMPTON COURT.—Junior wanted (indoors) for Light Retail and Dispensing, with knowledge of Photography. Full particulars and salary required to J. S. Wellburn, East Molesey.

LANCASHIRE.—Comfortable situation; outdoors; elderly registered Chemist required for N.H.I. Dispensing; hours easy; no Sunday duty; must be temperate. Apply, with photo, references, etc., to 235/30, Office of this Paper.

LANCASHIRE.—Junior Assistant required for good suburban business; good opportunity for young man wishing to gain a wider experience. State age, salary required, and when at liberty, 239/42, Office of this Paper.

LANCASHIRE.—Qualified Manager required for a good suburban business offering exceptional scope for increase; good salary, with an interest in the profits, offered to a first-class man; permanency. State when at liberty, 239/41, Office of this Paper.

RESULTS

OF ADVERTISING IN THIS SUPPLEMENT

LAST WEEK FEB 7 1914

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This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitability.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

LEEDS.—Wanted, qualified Assistant; hours 9 to 9; half-day holiday; Saturday 11 p.m.; Sunday duty one in four; state salary and photo. Apply to E. Sleight, 154 Burley Road, Leeds.

LLANDUDNO.—Unqualified Junior, about 21, for good-class Retail and Dispensing business; knowledge of Photography; outdoors. Apply, with full particulars, enclosing photo, to Winter & Co., Llandudno.

LONDON.—Qualified Manager required for modern quick Cash business; splendid opportunity for an energetic and capable man; permanency; good salary with an interest in the profits offered to the right man. 239/44, Office of this Paper.

LONDON.—Qualified Assistant wanted (Scotsman preferred). Apply, giving full particulars of experience, age, and salary required (outdoors), to "M.P.S." (238/39), Office of this Paper.

LONDON.—Wanted, qualified Manager; can live over shop if desired; comfortable position; good wages and prospects; young man preferred; also an elderly qualified man for Relief; in- or outdoors; permanent position. Full particulars in first letter, 242/3, Office of this Paper.

LONDON, E.—Qualified Assistant required for newly-opened shop; capable of taking charge; hours long; young man preferred; must be ready to take real interest in business and not afraid of work; permanency, with progressive salary. Give commencing salary required and references 241/19, Office of this Paper.

LONDON, N.—Qualified Senior Assistant, capable of managing. Apply, enclosing photo, with full particulars of age, height, experience, and salary required (outdoors), to W. Burgess Dow, 518 Hornsey Road, N.

LONDON, N.—Unqualified Assistant; outdoors. Apply, giving full particulars, wages, etc., or call, "H.," 35 Junction Road, Highgate, N.

LONDON, N.—Capable Assistant, mainly for N.H.I. Dispensing; two Assistants kept; hours of business 8.30 to 10; state experience, names of references, when disengaged, and salary required (indoors). Apply (letter-only), "Chemist," 300 Amhurst Road, Stoke Newington, N.

LONDON, N.—Qualified (elderly would suit) to assist with Dispensing and Light Retail; comfortable berth; easy hours; permanency. State salary, etc., "Verax" (241/17), Office of this Paper.

LONDON, N.W.—Wanted, unqualified Assistant (outdoors) with good Dispensing experience. Apply, with full particulars as to experience, salary, etc., to W. R. Ames, 142 High Street, St. John's Wood, N.W.

LONDON, S.E.—Wanted, unqualified Assistant; outdoors; also Junior or Improver, for good-class Family and Dispensing business. Apply, with full particulars, to 241/11, Office of this Paper.

LONDON, S.W.—Assistant, accustomed to good-class trade; neat and accurate Dispenser; outdoors; hours 8.30 to 9 p.m., Saturdays 8.30 to 9.30; Sunday duty every third, 6 to 8 p.m. J. Michie, 308 Earl's Court Road, S.W.

LONDON, S.W.—Required, Dispenser; Minor qualifications: salary to commence 50s. per week; age about 25; hours 8.45 a.m. to 6.30 p.m. approximately; no Sunday duty; 14 days' annual vacation. Apply, by letter, stating full particulars, to 1372, Sell's Advertising Offices, Fleet Street, E.C.

LONDON, S.W.—Qualified Assistant as Senior; indoors; must have had good Dispensing experience; also Assistant (not necessarily registered) for Laboratory work and stock, whole or part time; outdoors. Topholme & Son, 1 Coleherne Terrace, Earl's Court.

LONDON, W.—Qualified, used to quick Cash trade; good Prescriber. Give full particulars in first letter to 241/32, Office of this Paper.

MALVERN.—Junior Assistant, good address, wanted for Dispensing business. Please state age, height, experience, and salary required (outdoors), and enclose photo if convenient, A. E. Baylis, Great Malvern.

MANCHESTER.—Junior or Improver. Apply, stating full particulars in first letter, with references and salary required (outdoors), to Jeans, 151 Oxford Road, Manchester.

MANCHESTER, near.—Qualified Assistant for Light Retail and Dispensing; elderly not objected to. Apply, 237/30, Office of this Paper.

MANCHESTER.—Qualified Manager or Assistant for Retail and Dispensing, N.H.I.; indoors; abstainer. State age, references, and salary required; elderly not objected to. Apply, 240/4, Office of this Paper.

NEWCASTLE, STAFFS.—A young qualified Assistant required immediately; one used to Counter and Photographic preferred; half-holiday weekly and no Sunday duty. Giving references and salary required, to Oxens, The Rexall Stores, Newcastle, Staffs.

NORFOLK WALES.—Wanted at once, young man (outdoors) for Mixed business; occasional salary. Apply, stating experience, age, salary required, to Wenn, 55 Cornmarket Street, Oxford.

OLDHAM.—Qualified Assistant at once; elderly. State age, height, experience, salary required, T. Halliday, 288 Rochdale Road, Oldham.

WESTON-SUPER-MARE.—Junior or Improver wanted for Retail and Dispensing, with Photography; suit one just out of apprenticeship; time for study desired. Apply, with full particulars as to experience required, Tydeman, Weston-super-Mare.

WOLVERHAMPTON AND STAFFORDSHIRE HOSPITAL.—Wanted immediately, male Assistant. Minor qualification; salary £100 per annum, luncheon 9 a.m. to 5 p.m. Applications, with recent and full particulars, to W. H. Harper, House General Secretary, General Hospital, Wolverhampton.

A SMART Junior. Apply, stating usual particulars (returnable), D. Thomas, 128a Penarth Road, Cardiff.

A SMART qualified Manager wanted to take single-handed; also smart unqualified Assistant. Barrow-in-Furness.

A N Assistant, qualified; reliable; outdoors. Apply, with full particulars and salary required, to L. Cameron, Chemical Chemist, Seaford, Sussex.

ASSISTANT wanted, unqualified; good wages to be not afraid of work; permanent; married preferred to 35; North-East Lancashire; good prospects to make a permanency. 230/32, Office of this Paper.

ASSISTANT for Cash Retail; hours reasonable; extra duty. Thornton, Chemist, Blaenavon, Mon.

ASSISTANT, qualified, required for Light Retail ing; indoors. State salary and usual particulars, photo, J. Smithson, 1 Preston Road, Brighton.

ASSISTANT, 22-30, qualified Junior or thoroughly unqualified, for Dispensing and Light Retail, good all-round experience; very comfortable indoor position; half-day weekly and whole day off monthly view invited. State full particulars and salary required in letter, enclosing photo, Body, "Westwood," Braintree, Westcliff-on-Sea.

ASSISTANT or capable Junior for good-class Retail business; outdoors. Apply, with full particulars to salary, experience, etc., to "Rheol" (238/6), Office of this Paper.

ASSISTANT wanted at once; one used to a Country references must be good; no Sunday duty. 238/7, Office of this Paper.

ASSISTANT, unqualified, about 24, with knowledge preference given to one qualified for Dispensing and Light Retail; short hours; no Sunday work or Wednesday duty. Apply, giving full particulars of experience expected, with copies of recent testimonials, to 123/1, Office of this Paper.

A T once, qualified, as Manager; married preferred; to live in. Apply, with usual particulars, to Lister & Co., 98 Queen's Road, Dalston.

CHEMIST.—Qualified Assistant for branch shop, for tractor preferred; salary and commission to suit. Apply, Gill, Chemist, Hencage Street, Birmingham.

DISPENSER; Minor qualification; short hours; no outdoors; also unqualified Assistants with first-class experience. Apply personally, before 11, or between 5 and 6 p.m. Saturday excepted, or by letter, giving full particulars to Superintendent, Harrods, Ltd., 44 Hans Crescent, S.W.

ELDERLY or retired Chemist to act as reserve man for illness, and other emergency; supervision only, no Belsher, Chemist, Bloxwich.

ELDERLY Chemist to take charge of Dispensing and tend small Retail, N.E. district; very light work. "J. M." (238/10), Office of this Paper.

ELDERLY qualified Chemist required for N.H.I. Dispensing; easy hours; comfortable berth. State age and when at 239/43, Office of this Paper.

ENCED Assistant wanted. State age, experience, salary and (outdoors), enclose references and photo, to Forbes, 8 Castle Street, Stockport.

able of March (in- or out-doors), smart Junior for Light Dispensing; hours 8.30 to 8; half-holiday 1 also one afternoon off from 1 to 5. Apply, giving particulars (with photo), to Bowskill, Chemist and Optician, by Road, Grimsby.

Leamington Spa, requires a gentlemanly Assistant, 23, for high-class Dispensing business. Kindly give particulars, salary required (indoors), and enclose photo, to be returned.

TELY, unqualified Junior for Light Retail, Dispensing, photographic business; hours easy; no evening or Sunday duty, giving full particulars as to age, height, experience, (indoors), with references and photo, to P. R. 90 High Street, Gorleston-on-Sea.

ER or Junior; outdoors; time for study; also lady dispenser. Full particulars salary, etc., King's, 32 Church Wydon.

Assistant wanted at once; must be quick and accurate dispenser and have good Counter experience: Hickman & Lebury.

wanted for good-class Dispensing business; outdoors; about 20. Apply, with full particulars of experience, enclose photo if possible, to Francis Rose, Boscombe Bournemouth.

smart; good Dispenser; knowledge of Photographies; class business; indoors; good salary to suitable man. Optician, Epsom.

Assistant wanted, accustomed to good-class trade and Dispensing; good references essential; outdoors; percolation preferred. Apply, James Lloyd, 125 St. John's Ham Junction, S.W.

Assistant (outdoors) required for good-class Retail and Dispensing business; must have had smart Counter experience. Stating age, height, references, and enclosing photo (to J.), to T. & W. Woodruff, Chemists, Cheddle, Cheshire.

Assistant (unqualified) required (outdoors) for good-class Dispensing business; hours are reasonable and are kept; must have had Photographic experience and Window-dresser. State full particulars as to age, salary, and experience in first letter, F. Collin, Pharmacist, The Walk, Norwich.

or Improver, good-class Retail, Dispensing, and Photographic; hours easy. Apply, giving full particulars, age, experience, salary required (indoors), with references and photo, to J. W. Downes Pharmacy, Herne Bay.

or Improver (outdoors) for good-class Retail and Dispensing business. State experience, age, height, salary, when full, with photo and references, to W. Bland Botham, Chemical Chemist, The London Pharmacy, Bournemouth.

Assistant wanted for a good-class business. Apply, giving age, experience, and salary required (outdoors), J. T. Pharmaceutical Chemist, Barnet.

or Improver wanted for good-class Retail and Dispensing business; must be quick and obliging; indoors. Apply, giving full particulars, salary required, and enclose photo, to F. J. Brompton Road, S.W.

Dispenser required in a middle-class Practice in the Midlands; hours very light; salary 30s. a week. Apply, with full particulars, to R. Sumner & Co., Ltd., Wholesale Druggists, 100, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138, 140, 142, 144, 146, 148, 150, 152, 154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 174, 176, 178, 180, 182, 184, 186, 188, 190, 192, 194, 196, 198, 200, 202, 204, 206, 208, 210, 212, 214, 216, 218, 220, 222, 224, 226, 228, 230, 232, 234, 236, 238, 240, 242, 244, 246, 248, 250.

Minor, N.H.I. Dispensing, near Birmingham; £1 18s. a week (indoors); no Sunday duty; easy hours and commission. Apply, 259/30, Office of this Paper.

& BURROWS have a vacancy for a Counter Assistant, qualified; West End. Apply, with full particulars, to 146 Bars, E.O.

qualified, for two or three months; must be ready to start at once; possibly a permanency. Experience, references, and salary required in first letter to save time, Whittle, Chemist, 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61, 63, 65, 67, 69, 71, 73, 75, 77, 79, 81, 83, 85, 87, 89, 91, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 113, 115, 117, 119, 121, 123, 125, 127, 129, 131, 133, 135, 137, 139, 141, 143, 145, 147, 149, 151, 153, 155, 157, 159, 161, 163, 165, 167, 169, 171, 173, 175, 177, 179, 181, 183, 185, 187, 189, 191, 193, 195, 197, 199, 201, 203, 205, 207, 209, 211, 213, 215, 217, 219, 221, 223, 225, 227, 229, 231, 233, 235, 237, 239, 241, 243, 245, 247, 249, 251, 253, 255, 257, 259.

S. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, has a vacancy for an unqualified Assistant; permanency salary.

MANAGER, qualified, for branch near Cardiff; good-class Retail, with Photography; age about 35; outdoors; must be experienced, energetic, and a good Prescriber. Particulars of age, height, salary required, experience, addresses of last three employers, and enclose photograph, to S. T. Hicks, Messrs. W. T. Hicks & Co., 28 Duke Street, Cardiff.

MANAGER, qualified, married, for small branch; good house attached; healthy district near Liverpool. Kindly apply, giving full particulars, to "Pharmacist," 128 Grange Road, Birkenhead.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist as Manager; easy hours; good and progressive salary, with excellent prospects.

OPTICIAN in high-class Dispensing and Optical business; an excellent opportunity to gain experience in all practical work in Optics; F.S.M.C. certificate not essential. State salary required (indoors), experience, photo, etc., to Saxby, F.S.M.C., Pharmacist, Cheltenham.

OUTDOOR Junior Assistant required for good-class Dispensing business; little Insurance Dispensing. Apply, with full particulars and photo, to Chapman, Chemist, Esher, Surrey.

OUTDOORS.—Wanted at once, unqualified man, about 23, for high-class up-to-date quick business; little Sunday duty. Apply, with usual particulars, stating age, salary, etc., to C. Brece, 119 Mitcham Lane, Streatham. Phone, 446 Streatham.

PART-TIME (London); 6 p.m. to 9.30 p.m. Mondays, Tuesdays, Wednesdays, and Fridays, 6 p.m. to 11.30 Saturdays; 22s. 6d.; Dispensing and Stock; must be quick; Store trade. "Senigae" (125/14), Office of this Paper.

QUALIFIED Assistant required; good-class Dispensing and Retail. References, salary required, and photo to Balkwill & Co., Plymouth.

QUALIFIED Assistant (outdoors) for General Retail and Prescribing. Apply, with fullest particulars and salary required, to H. Clarke, 11 Market Place, Whitehaven.

QUALIFIED Manager required for small branch business in new Colliery district, near Cardiff and Newport; salary £3 per week and commission, with good prospects; outdoors; married man preferred; comfortable berth. Clarke, Chemist, New Tredegar, Mon.

QUALIFIED Assistant; outdoors; General, Light Retail, and Dispensing. Apply, with full particulars, to Evans, Chemist, Waltham Cross, N.

QUALIFIED Chemist wanted, used to N.H.I. Dispensing, Pricing, etc.; must be a good Counterman and need to be a quick trade. Apply, "Brushes," c/o Jno. Quilliam & Co., Ltd., Victoria Bridge, Manchester.

QUALIFIED Manager early in April, age about 30, married man, for good-class country business; house provided; Junior kept; must be energetic and have some knowledge of Agricultural trade; abstainer preferred. State salary, two good references, and full particulars to F. Strawson, 12 Rose Hill, Dorking.

QUALIFIED Assistant leaving Retail can recommend very comfortable berth. All information, in confidence, Bailey, 268 Waterloo Road, Hightown, Manchester.

QUALIFIED Manager for unopposed branch in North Wales, near the border; excellent berth; pleasant district; permanency only; single man preferred; commission, share of profits; agreement; Welsh an advantage but not essential. Apply, L. Rowland & Co., Chemists, Wrexham.

QUALIFIED Assistant; early in March; accustomed to good-class business; indoors. Apply, with full particulars, to R. S. Starkie, 126 Strand, W.C.

QUALIFIED Assistant wanted, young and energetic. State usual particulars and salary required to C. Deam, Chemist-Optician, 26 Market Street, Bury.

QUALIFIED or unqualified Assistant, age 25-30, indoors or outdoors, in high-class Dispensing business in London Suburb; knowledge of Photography preferred. Apply, with full particulars of experience, age, height, and salary required, to "Salielyic," c/o S. Maw, Son & Sons, 7/12 Aldersgate Street, London, E.C.

QUALIFIED Assistant wanted at once; must be gentlemanly and of good appearance. Apply, giving full particulars of experience, salary required, and references, to Cairns Johnson, Ltd., 137 Broadway, Handsworth, Birmingham.

QUALIFIED Manager wanted for branch; must be capable and energetic; permanency to suitable man; also Lady Dispenser, N.H.I. (qualified); good references essential in both cases. Apply, giving full particulars as to salary, etc., Fritchard & Davies, Bargoed, Glam.

QUALIFIED Assistant, about 25, for good-class business, Birmingham district; must have undeniable references; good Window-dresser and up-to-date methods. Apply, with full particulars (outdoors), 241/23, Office of this Paper.

QUALIFIED Manager or Assistant wanted, to take charge of suburban branch; no Sunday duty. Apply personally, Friday or Saturday, 10 to 12, or by letter, Coppen Bros. & Co., Carey Street, Vincent Square, Westminster.

RELIABLE, qualified, gentlemanly Assistant for good-class West End Dispensing business; one desiring a permanency preferred; good salary to good man. Apply, "J." Messrs. Meggeson & Co., Miles Lane, Upper Thames Street, E.C.

REQUIRED, in a first-class Dispensing business in the suburbs, a smart Junior; one used to a quick business; state age, height, experience, and salary required (outdoors). Apply, 239/35, Office of this Paper.

SMART, experienced (outdoors) Junior, about 22, required for Retail and Dispensing business and to assist in Wholesale Warehouse. Address, stating salary, age, height, and references, and enclosing photo (to be returned), to T. & W. Woodruff, Chemists, Cheshire.

SMART Junior, accustomed to good-class Dispensing and Family business, required about end of March. Apply, in writing, enclosing photo and usual particulars, to H. T. Escriff, Pharmacist and Optician, 284 High Road, Streatham, S.W.

TO a man, about 24, requiring a permanent berth, where opportunities exist, in a high-class Dispensing business, outdoors, and a good Dispenser. Apply, Maitland, Son & Lindley, 10 Chester Place, Hyde Park Square, W.

TWO Assistants wanted, one registered and one Junior, unqualified, for Dispensing and Retail; outdoors; progressive salary; easy hours. State salary, age, and full particulars to "Metol" (238/19), Office of this Paper.

UNQUALIFIED Assistant or a good Junior wanted immediately (indoors or outdoors) for a Mixed Retail and Dispensing. Apply, stating full particulars as to age, references, salary required, and enclosing photo if possible, to Evans, Pharmacist, Dowlais, South Wales.

UNQUALIFIED Assistant or Locum wanted about February 19 for short period; indoors. Apply, with full particulars, salary, etc., W. Wade, 55 High Street, Sidcup, Kent.

UNQUALIFIED Assistant; age from 30 to 50; liberal salary; if married could live over shop, otherwise outdoors; hours very easy; no Sunday or after-hours duty. J. Griffith Isaac, Pharmacist, Neath, South Wales.

UNQUALIFIED Chemist wanted immediately; indoors; good experience in Dispensing, Photography, and Sight-testing. Cruise & Co., 7 The Strand, E. Southsea.

WANTED at once, temporary Assistant, competent Dispenser, age 25 to 30. Please apply, with all usual particulars and photo, to E. Bing & Son, Pharmaceutical Chemists, Canterbury.

WANTED, qualified Assistant; good Prescriber and Counter-man; outdoors. Apply, enclosing reference and photo, state salary required and when at liberty, F. Dickinson, St. Mary's Street, Stamford.

WANTED, a competent qualified Assistant to take charge of Dispensing Department, a gentleman with some knowledge of the Photographic trade preferred; indoors. Apply, with photo, to Beall & Son, Chemists, Cambridge.

WANTED, March 9, capable outdoor Assistant, accustomed to good-class Retail, Dispensing, and Photographic business; permanency. State age, experience, and salary required (London interview or photo), A. Oldfield, The Westliff Pharmacy, Westcliff-on-Sea.

WANTED, an experienced Assistant for good-class quick Counter trade; good Salesman; outdoors. Apply, with full particulars, to T. C. Cornwell, Pharmaceutical Chemist, Hanley, Staffordshire.

WANTED, qualified Assistant as Second; outdoors; three kept; must be of gentlemanly appearance and address, and accustomed to a high-class business; short hours. Apply, with full particulars, to Mr. D. L. Lewis, Chemist, Ealing, W.

WANTED, for early in March, elderly registered Chemist for N.H.I. Dispensing; comfortable position; hours easy; duties light. Apply, giving full particulars, salary, etc., to 239/21, Office of this Paper.

YOUNG qualified Assistant wanted for Manchester district to take Management of Chemist's business. State age, salary, and usual particulars to Mellors, Pasden & Mellors, Chartered Accountants, Nottingham.

YOUNG qualified Assistant with Dispensing experience at once. Courtenay, 2 Queen's Terrace, St. John's Wood.

PHARMACEUTICAL SOCIETY OF IRELAND

The Council of this Society will, at the March meeting, proceed to the appointment of an Examiner for the Preliminary Examination, subject to the approval of the Lord Lieutenant and the Privy Council of Ireland. Full particulars will be supplied by the Registrar. Applications should be lodged not later than the 24th inst.

ARTHUR T. FERRALL, Secretary,
67 Lower Mount Street, Dublin,
10th February, 1914.

WHOLESALE.

LONDON, S.W.—Required, young man used to Dispensing and Druggists' Sundries. Write, stating age, experience, and wages desired, to 1381, Sell's Advertising Office, E.C.

A STEADY and reliable Junior Assistant wanted for Counter. Apply, stating age, experience, and wages, to Lofthouse & Saltmer, Ltd., Market Place, Hull.

A WELL-KNOWN and high-class London Perfumery business has vacancies for two clever, energetic Salesmen with education; permanent posts on salary, commission, and expenses. Are waiting for real live men able to fill these positions. Letters must give brief particulars of previous experience, state when could be at liberty. Prichard & Co., 10 Holloway Road, N.

COUNTER hands for Wet and Dry Floors wanted. Must have good experience. Apply, stating full particulars of previous employment, wages expected, and if disengaged, to Office of this Paper.

FOREWOMAN in Wholesale wanted by London Dispensing Stockkeeper and charge of department. Apply, (241/12), Office of this Paper.

JUNIOR Assistant required by an enterprising firm of Manufacturing Chemists; hours 9 to 6; applicant must have good qualification and be a good Salesman. Apply, enclosing photo (which will be returned), to 123/20, Office of this Paper.

LABORATORY Manager.—Large firm of Wholesale and Manufacturing Chemists require Laboratory Manager. Must have first-class experience in the manufacture of Extracts and general Galenic Preparations. Letters must state details of experience and salary required, to A. B. C., Office of this Paper.

PILL and Tablet Department.—Youth, about 16-17, experience preferred. Wholesale Druggists, C. & Sons, Charlotte Street, E.C.

PORTER or Warehouseman for provincial town. Must be of Druggists' essential; permanency to steady, reliable. Please state references and salary required to 235/30, Office of this Paper.

PRINTER'S Traveller wanted to call on Chemists' Stores; state where last employed and ground wages and experience required. Apply, 235/10, Office of this Paper.

TRAVELLER wanted immediately for scientific Surgeon's Chemical Bottles; must have sound connection amongst Wholesale buyers, and able to manage department independently. State salary and experience, "P.", 6 Dyer's Buildings, Holborn.

TRAVELLER for London and same for provincial districts. Working on Surgical-instrument Dealers, Druggists' Sundries, etc., wanted to take up a few good side-lines; part expenses a good commission. Give full particulars, stating other houses represented, to 234/40, Office of this Paper.

TRAVELLER—Energetic man wanted; London and provincial; essential; Sundries, Capcens, etc.; £1 per week commission; must have good references, which must accompany application; if no connection time will be wasted in replying to advertisement. 241/20, Office of this Paper.

TRAVELLERS working London and Suburbs, also other towns and cities, wanted to sell to Chemists, Hairdressers, and Packers an attractive side-line; small sample; liberal commission; several gentlemen are now enjoying a considerable addition to their income by adopting our proposal. 240/7, Office of this Paper.

WET Counter.—Wanted, a Junior Assistant for Wet Counter. Call or write, Bais Brothers & Stevenson, Ltd., 175 Old Street, Road, Bermondsey, S.E.

WET Floor.—Young man, accustomed to Export work. State age, experience, salary required, and full particulars to E. C. (241/120), Office of this Paper.

Counter.—Wanted, an Assistant for the Wet Counter, stating age, experience, and wages required, "Wets" Office of this Paper.

SALE.—Strong youth for Laboratory, used to putting Proprietary lines. Apply, Staff Superintendent, Harrods, Hans Crescent, S.W.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

1. for 50 words or less; 6d. for every 10 words or less repaid. The Advertiser may, if preferred, have replies to this Office, and forwarded on payment of an additional 6d.

TTA.—Wanted, qualified Assistant, preferably Minor; be good Salesman and have Photographic experience; agreement, with annual increases; salary £15 to £20, according to qualifications; second-class passage paid. Apply, with particulars of previous experience, to (124/18), Office of this Paper.

S. Riviera.—Junior Assistant wanted at once for about months; knowledge of French unnecessary, but must and good Dispenser; easy hours; salary £8 monthly; £6 travelling expenses allowed; an excellent opportunity to gain experience. Give fullest particulars in first letter, Pharmacie Saulnier.

—Good qualified Assistant, capable of managing branch; £20 per month; pay own passage; no agreement; only for advancement if satisfactory. Apply, giving experience, to "Export," Southall Bros. & Barclay, Ltd., am.

N.—Qualified Assistant, age about 23 to 25, single, good man, for large Pharmacy in Colombo; four years' agreement Rs. 225, 250, 275, and 300 per month; commission and Sunday duty; free quarters; passage paid out and apply, with particulars of past experience, to 120/72, this Paper.

—A qualified Assistant (24 to 28) required, with experience in Manufacture of P.B. Preparations and some knowledge; 4 years' agreement; passage paid out and good salary and excellent prospects to a suitable man; given to an English-speaking German. Apply, with full details, to 86/55, Office of this Paper.

CHI, India.—Qualified Assistant required for a first-class British firm of Chemists; age about 25; 3 years' agreement; second-class passage paid out; salary first year £200, second year £220, third year £240. Apply, with photo and details, to "R. L." S. Maw, Son & Sons, 11 Aldersgate C.

NEAL.—Wanted, by May 1, a thoroughly experienced reliable Assistant; must be of good appearance and possess first-class references; salary to commence month; applications not answered in 21 days respected; photo if possible. Apply, Mr. E. Ruxton Byatt, sons, 184 Peel Street, Montreal.

HAI.—Qualified Assistant, about 23, required for established English Chemists; four years' agreement; passage and home; terms (approximately) £180 first year, with advance of £24; furnished room and medical attendance. Apply, with full particulars, to 86/550, Office of this Paper.

AFRICA.—Old-established firm of London Wholesale and Retail Druggists require experienced Representative for Africa; knowledge of Druggists' Sundries trade would be an advantage. Reply, stating age, experience, and usual particulars, to "S. A." c/o Street's, 30 Cornhill, E.C.

TS & CO., 5 Rue de la Paix, Paris, have a vacancy for a qualified Assistant, with knowledge of French. Apply, stating age, height, experience, and salary required.

TO PRELIMINARY EXAMINATIONS IN PHARMACY," any of our readers will be considering from time to time to do with their sons, and in this connection may ascertain the degree of difficulty of examinations in pharmacy, medicine, dentistry, etc. This little volume gives full information as to the regulations, together with sample papers and many useful hints on all the subjects included in the Preliminary examinations for these professions and it is a book necessary to the intending candidate and useful to the parent seeking information.—The Advertiser.

APPRENTICESHIPS.

CARDIFF.—Wanted, a well-educated youth as Apprentice; outdoors; one having passed Preliminary preferred; a good opportunity of learning the trade under personal supervision; every help given. Ernest C. Harden, The Central Pharmacy, City Road, Cardiff.

A HIGH-CLASS firm of Retail Chemists (W.C.) have vacancy for gentlemanly youth as Apprentice; splendid opportunity for sound business training; time for study. Apply for full particulars, 238/9, Office of this Paper.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

[HOME.] RETAIL.

Price lists, trade circulars, samples, and printed matter can in no case be forwarded.

ADVERTISER (36), good appearance, wants position of trust; 8 years' present position as Cashier, Bookkeeper, and superintending several branch shops; would travel; nominal salary; fidelity guarantee; disengaged February 14 through businesses being sold. "H." 8 Chestnut Avenue, Middle Lane, Hornsey, N.

ASSISTANT; outdoors; tall; married; disengaged; good references; London or seaside; West-End experience. 121/34, Office of this Paper.

ASSISTANT; 28; part time; London or near; good-class experience Dispensing; best references; outdoors; disengaged end March. "Strychnin" (235/1), Office of this Paper.

ASSISTANT (19) requires situation; tall; good-class Dispensing experience; good references. Apply, Sellars, 28 Carr Green, Dalton, Huddersfield.

ASSISTANT; 9 years' good experience; abstainer; excellent references; London preferred. A. J. Smith, 51 Culloden Street, Poplar, E.

BRIGHTON.—Photographic and Counter Assistant; expert in Photographic Repairs; good Window-dresser; excellent references. "S." 103 Crystal Palace Road, East Dulwich.

DENTAL, Optical, Dispensing Pharmacy; March; South Coast; unqualified; permanency. 237/29, Office of this Paper.

DISENGAGED; Manager or Locum; qualified; married. Burton, 19 Comerford Road, Brockley, S.E.

DISENGAGED; Manager, Assistant, Locum; qualified; 38; 5 ft. 10 in.; excellent references and experience. 4 Citadel Terrace, Hoe, Plymouth.

DISPENSER (lady) wants post in London, Hospital or Doctor. Miss Andrews, 141 Elms Road, Clapham Park, S.W.

DISPENSER and Bookkeeper; qualified; or Locum Tenens. "W. H." 58 York Road, S.E.

DISPENSER; N.H.I. qualification; 35; abstainer; experienced; disengaged; 35s. 2 Arran Street, Cardiff.

DISPENSER; quick; Retail, or Manager Drug Store. 21 Chiswick Road, Lower Edmonton.

EVENING from 7; N.H.I., etc. 121 Manwood Road, Crofton Park, S.E.

EVENING Dispensing; Mondays, Wednesdays, Saturdays; Lady; qualified. "B." 7 Carleton Road, Holloway.

EXPERIENCED Manager or Assistant; unqualified; 54; knowledge of Optical work. State hours, salary, etc., to 240/8, Office of this Paper.

EXPERT Dispenser, Salesman; permanency or Locum; reliable references. Forster, 5 Coleridge Road, Finsbury Park, N.

GERMAN, 9 months' practical London experience, diligent and quick, some knowledge of French, Christian, desires situation in London or Suburbs; any small wages. Apply, "K," (241/38), Office of this Paper.

JUNIOR; tall; Counter, Dispensing, Photography; S.E. district preferred. "Iodum," 85 Camden Road, N.W.

LADY Dispenser and Bookkeeper (Hall certificate) desires post with Doctor or Chemist; thoroughly experienced; good testimonials. Apply, "H," East Hill Cottage, Oxted.

LADY Dispenser (Hall) requires re-engagement; Doctor or Institution; assist with bookkeeping. "C," 42 Duncan Terrace, Islington, N.

LADY Dispenser; Hall qualification; testimonials; age 25. "E," 6 High Street, Sydenham.

LIVERPOOL District.—Qualified, 33, married, satisfactory references, desires engagement as Manager. 237/20, Office of this Paper.

LOCUM, qualified; disengaged; thoroughly experienced and reliable. "Pharmacist," 16 Priory Avenue, Caversham, Reading.

LOCUM, qualified; 31; disengaged March 31; good experience and references. 235/310, Office of this Paper.

LOCUM or Manager; qualified; tall; total abstainer; shortly disengaged; quick trade preferred. "B," 71 Sunbury Road, Liverpool.

LOCUM work (outdoor) wanted in London; qualified; middle-aged. 239/90, Office of this Paper.

LOCUM; qualified; 48; disengaged; first-class references and experience. Dewey, 3 Helena Avenue, Margate.

MAJOR Pharmacist, 52, married, seeks engagement as Branch Manager or Traveller for good firm; good worker; absolutely trustworthy. 239/25, Office of this Paper.

MANAGER, Branch; Hall qualification; single; abstainer; orderly, systematic; 47; good appearance; disengaged 21st; town or country. "Energetic," 54 Manor Road, Enfield, Middlesex.

MANAGER or responsible position, with or without view to succession; first-class London and provincial experience; excellent references; married; 42. State salary and full particulars to "Pharmacist" (237/34), Office of this Paper.

MANAGER, with leading firm of London Chemists, desires change. Full particulars, 239/27, Office of this Paper.

MANAGER, with view to succession; coast town preferred. 235/13, Office of this Paper.

MANAGER or Senior; qualified; 27; has good all-round experience, first-class references, and is well connected; West End or City preferred; good-class trade; outdoors. State hours, 201/1, Office of this Paper.

MANAGER (branch), with or without view to succession; Prescriber, Dentistry (optional), etc.; previous similar experience; 35; married; Hall; can be shortly disengaged. "Chemist," 36 Grove Hill Road, Denmark Hill, S.E.

MINOR; abstainer; excellent references; energetic; easy hours; terms moderate; elderly; photo sent. 235/11, Office of this Paper.

PART-TIME.—Competent Assistant requires situation; Manchester district; quick and accurate Dispenser. "Radix," 58 Clarendon Road, C.-on-M., Manchester.

PART-TIME Dispenser; qualified; experienced; excellent references. Miss Kennedy, 3 Panmure Villas, Sydenham.

QUALIFIED; 34; Extractor; good experience; disengaged. "Chemist," 17 St. Luke's Road, Clapham, S.W.

QUALIFIED German Chemist, speaking English, requires for three months or longer, London or country. 10 years' experience; board and residence; first-class references. Apply, 233/30, Office of this Paper.

QUALIFIED Assistant Dispenser (woman), experienced; ences, seeks "half-time" post in London. 233/27, Office of this Paper.

QUALIFIED, 31, all-round experience, as Manager, wishes to purchase. 235/31, Office of this Paper.

QUALIFIED Assistant; 26; outdoors; good experience; permanency. "G. E.," 12 Beestmarket Hill, Margate, Nottingham.

QUALIFIED; Manager, Senior, or Locum; high-class experience; good references; knowledge of French; married; disengaged; outdoors. Stanley, 147 Sulgrave Road.

QUALIFIED Manager; 33; abstainer; Extractor; experienced. Davies, Tybwidd, Llwynhendy, near Llanelli.

QUALIFIED, experienced man desires post as Manager. Senior. "Coto" (238/20), Office of this Paper.

QUALIFIED (39) seeks engagement with Wholesale firm to Travel part time; thoroughly experienced in Travel and Travelling and Wholesale "Heavy" trade; good references. Apply, 239/38, Office of this Paper.

QUALIFIED (27) desires change, Manager or Assistant; lands; varied experience; reasonable hours. 234/4, Office of this Paper.

QUALIFIED; 25; disengaged; outdoors; London district; first-class provincial and London experience; Dispensing and Photography. Sprague, 11 Bradgate Road, Catford, London.

QUALIFIED; Managership (good permanent); married; furniture; first-class experience; excellent references. 239/9, Office of this Paper.

QUALIFIED Manager; married; town and country experience; live over premises preferred; best references as to character and ability. "Extractor" (241/7), Office of this Paper.

QUALIFIED; disengaged; all-round experience. "Queen" 53 Star Street, Paddington.

REQUIRED, by young Lady, situation in Chemist's shop; Stock; can serve. M. Williams, 37 Burgoyne Road, Hammersmith, N.

UNQUALIFIED, 30, requires situation; experienced in Wholesale and Retail; home or abroad; abstainer; good references. Sturton, 72 Dongola Road, Tottenham.

UNQUALIFIED; 19; tall; Insurance Dispensing, Photography; experience; Leeds district preferred. Appleby, 47 St. Street, Leeds.

UNQUALIFIED (25) as Assistant or Manager; capable, energetic; London preferred; splendid testimonials. 60 Hughenden Road, High Wycombe.

UNQUALIFIED Assistant; 32; Scotch; neat, accurate; Counter, Photography; worker; reliable, disengaged. 235/21, Office of this Paper.

UNQUALIFIED; outdoors; experienced; middle-aged; married. De Saulles, 36 Chudleigh Road, Lewisham, S.E.

UNQUALIFIED Assistant; 22; 6 years' good-class experience; 3 references. Temperton, 16 Roker Terrace, Stockton, Co. Durham.

UNQUALIFIED Manager or Locum seeks engagement, first-class references and good experience; age 30; tall; sober and reliable; good Salesman and Window-dresser. "Energetic," Cottonham, Cambs.

UNQUALIFIED; Assistant or Manager; 37; single; outdoors; first-class all-round experience and references. Apply 237/24, Office of this Paper.

UNQUALIFIED Assistant; town or country; disengaged shortly. good Dispenser, N.H.I., Extractor; Midlands, Yorks, Lancs. 235/38, Office of this Paper.

UNQUALIFIED Assistant; smart and tactful Countermaid; Window-dressing, Dispensing; with excellent references. Apply, 239/26, Office of this Paper.

WANTED, Senior (39), married, competent Dispenser, apy, good Salesman, all-round experience, desires highest references; abstainer. "Energy," 53 Cran-Newquay, Cornwall.

WANTED: evening work wanted; Dispensing or Surgery nt. "A," 24 College Street, Chelsea.

WANTED requires short engagement; Senior; thoroughly need; 33; exceptional references. "Locum," 16 d, Streatham.

Wanted a good Assistant or Branch Manager? Dispensing, raphy, Extracting, etc.; 27; disengaged March 7; d preferred. Reply immediately, Nichols, 11 Masboro' herham.

WHOLESALE.

Trade circulars, samples, and printed matter can be forwarded.

WANTED (26) desires responsible position as Buyer or nt with established firm of Manufacturing Chemists; for many years with leading house, having thorough of world's best markets; first-class references available. See of this Paper.

WANTED and Sales Manager.—Qualified Chemist, for years riter for one of the most successful Drug firms in change; can develop and exploit new products and less rapidly on unhackneyed lines. "Icecutter," Road, Ealing, W.

WANTED, 26, 10 years in Analytical and Manufacturing ories of London Wholesale Chemists, requires similar Traveller, home or abroad; disengaged; energetic; references. "C.," 52 Crofton Road, Plaistow.

WANTED HITCHING, who represented Messrs. Lorimer & or many years, desires engagement with good-class e write, 28 Netheravon Road, Chiswick.

WANTED, Gentleman, 30, requires position as Repre- ve for good house; personal connection in London, and Scotland; first-class references. 239/31, Office er.

WANTED, with connection in North England, calling upon ts and Grocery Stores, desires Agencies for good lines. 9/30, Office of this Paper.

WANTED, experienced, commercial training, smart salesman, o Represent first-class house; Essences, Oils, etc.; sound Mineral-water makers, Confectioners, etc. Apply, See of this Paper.

WANTED, 30; last situation, Chemical, Pill, and Fine loom 6 years; present 9 years First Wet Counter; also experience; smart labels and tickets; methodical Stock- l organiser; desires change for prospects. 241/3, his Paper.

WANTED SAFFRON.—At Old Street Police Court on 12, Abraham Dubowski, of Wentworth Street, s, and living at St. Mark's Square, Dalston, was for selling adulterated saffron. It appeared that ant kept a shop for the sale of various herbs, etc., at Wentworth Street, and a sanitary agent purchased there on February 5 a half- h of saffron containing 33 per cent. of "foreign" consisting of borax and nitre. Defendant, who ily, said he sold the saffron as received, and that it in 3-lb. tins and resold in $\frac{1}{2}$ lb. packets. It l that defendant had been previously convicted Act, and he was now fined 3*l.*, and 25*s.* costs.

"CHEMIST-OPTICIAN" is the first book which chemists ad who want to know how to make money off and eyeglasses. Published at 4*s.* (by post 4*s.* 3*d.*), obtained from the C. & D. Offices in London or b, and from the wholesale and sundries houses ublished price.

MISCELLANEOUS.

MOADAM & TUCKNISS, Sharedealers, Bank Chambers, Black- heath, S.E. Established 1898. Telephone 81 Lee Green. Shares for Sale (free of commission, subject).—200 Allenbury "B" 6 per cent. Preference, 23*s.* 7*d.*; 180 Caudius Ash New Ordinary, 31*s.* 6*d.*; 100 G. B. Kent Preference, 17*s.* 3*d.*; 50 Champion & Sice Preference, 19*s.* 3*d.*; 500 Vemo Drug, 24*s.* 3*d.* (c.d. when declared).

Wanted (subject).—100 Parke's Drug Preference, 12*s.* List of Shares for Sale and Wanted sent free on application. Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exception- ally fine selection of these in all sizes; prices are right and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, E.C.

CHEMISTS' Fittings, Secondhand.—Enough to fit up a dozen shops, comprising Ranges of Shelving, Drawers, Lockers, Counters, Piano-fronted Wallcases, Dispensing-screens, Counter- cases, Shop Rounds, etc., at give-away prices. D. Matthews & Son, The Chemists' Fitters, 14 and 16 Manchester Street, Liverpool.

CHEMISTS' Fittings Silent Salesman Showcases, Drugfittings, Dispensing-screens, Wall-cases, Perfume-cases, Desks, Glass- front Counters, Counter Drawers, Shop-soiled, Second-hand, at unbeaten prices; before you decide get my estimate, you can't do better; 30 years fitting Pharmacies. George Cook, the Chemists' working Shopfitter. New address: Catherine Street, City Road, E.C. (few doors from Old Street).

GOLDEN Opportunity.—The complete set of handsome Mahogany Fittings for smart Pharmacy; good as new; to be cleared at half their original cost; space wanted. Particulars, H. Mills, the Chemists' Practical Shopfitter, Shop Front Builder, Facia and Tablet Works, 163-5 Old Street, London, E.C.

BEST cash price for all old Cameras, any make, also all old Photo goods, no matter how damaged; any kind you may have send them along; cash will be sent same day; no waiting; we buy all and return nothing. S. R. Hackett, 23 Joly Road, Liverpool, E.

£40.—Complete set of Pharmacy Fittings, secondhand, com- prising 10-ft. Mahogany Drug Fixture, 8-ft. Mahogany and Plate-glass Serving Counter, Nest of Counter Drawers, Dispensing Screen and Counter, Mahogany Wall Showcase, Mahogany and Plate-glass Perfumery Showcase and Desk; all in excellent condition. PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.

THE MOST POPULAR DANCE of the Season for Chemists is the JUNIOR PHARMACY BALL.

THE BEST BAND, BEST PROGRAMME, and BEST FLOOR will be found at the PORTMAN ROOMS on MARCH 11, 1914.

Tickets (7*s.* 6*d.* each, including supper and light refreshments during the evening) may be had from the Hon. Secretary, Mr. B. R. Wilkinson, 23 Cromwell Place, South Kensington, S.W., or from any of the Stewards.

SOMETHING NEW!!

To increase the pulling power of your window, place in same one of my new centre cut-outs and note results. These will half-dress your window and be the centre of attraction. Now ready, for "Tonics, Corn Cure, Tooth Powder, Soap and Toilet requisite displays." To introduce them I will send one of above post free, for 26. Send for same, and particulars of my extended service at once. N.B.—Only one Pharmacist in a town supplied.

BILLYARD ALLISON, Pharmacist & Business Specialist, RETFORD.

A MONEY-BACK OFFER

And what came of it. In October last I offered Talking Cards to 200 chemists on trial on money-back terms. They had to claim refund before January 21. Only one man has done so. The others have kept the cards rather than sell them back to me! Send p.c. for details.

BROMLEY, Chemist, WHETSTONE, MIDDLESEX.

EXCHANGE COLUMN

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.
No advertisement inserted for less than 6d.

FOR DISPOSAL.

DRUGS AND CHEMICALS.

- 20 25-oz. tins Howard's ferri et quin. cit., 6d. per oz. Aston, Chemist, Worthing.
1 CWT. creta precip., 11 lb. indigo; no reasonable cash offer refused. Roberts, Chemist, W. Bromwich.
OL. NEROLI, 2 oz., at 10s. per oz.; santalin, 2 oz., at 6s. per oz. Lester, 5 Station Road West, Canterbury.

OPTICAL AND PHOTOGRAPHIC.

CHEMIST-OPTICIANS. — Flashing globe, as Raphael's, green glass, white lettering, all connections. 20s.; also 10 lb. pulv. antim. tart., what offers? Fox, Chemist, Bolton.

PROPRIETARY ARTICLES.

- 19 tins Day, Son & Hewitt's Nemos; what offers, carriage forward? Reid, Petersfield.

SHOP FITTINGS.

- 10-GALL. carboy; very fine specimen; must be sold. Roberts, Chemist, West Bromwich.
SILENT salesman, plate glass and mahogany, as fig. 203/W May, new condition, 3 by 2 by 2; bargain 90s. Starmer, North Finchley.
4 SETS drug drawers, solid mahogany fronts, 4 ft. 6 and 5 ft. long; shelving for over ditto; 280 shop-rounds; 3 large oil cisterns. Warburton, Pharmacist, Farnworth, Bolton.

MISCELLANEOUS.

- FIVE-GRAIN pill-machine; 4-grain ditto; what offers? Lester, 5 Station Road West, Canterbury.
SODA fountain; cost over £100; good condition; fixed for purchaser if desired; £20 or nearest offer. Edmonds, Constitution Hill, Birmingham.
ANATOMICAL chart human body, coloured diagrams, showing principal organs and relative positions; 25s. Vaughan, 12 & 14 Leeds Bridge, Leeds.
OVERSTOCKED.—56 lb. Alembroth lint, 1s. 3d. lb.; 3 doz. plain red rubber bandages, stout, 10½ ft. long by 2½ in. wide, 4s. 6d. each. Adams, 47 Warren Road, Leyton.
6 GROSS ½-oz. amber bottles, good shape and colour, 15s. carriage paid; 5 oz. ol. cinnamon, Haense's terpeneless, 3s. 9d. post free; 6 oz. ol. aniseed do., 4s. 3d.; original bottles. Horn, 122 Old Christchurch Road, Bournemouth.

WANTED.

- 6- or 7-ft. mahogany glass-fronted counter. Reid, Petersfield.
B.P., fairly new. Particulars to Mill, 43 Poplar Road, Edgbaston, Birmingham.
PILL metal mortar, large size. Particulars and price to Hedges, Dale End, Birmingham.
RED outside lamp, electric, modern design. State price and supply sketch, Hedley Masson, Forest Hill.
DISPENSING screen to fix to counter, 6 ft. long, with shelves at back for bottles. Lofthouse, Heeley, Sheffield.
GOOD second-hand upright plate-glass case, movable shelves, 30 to 33 in. high, 24 wide, 6 deep. 235/39, Office of this Paper.
SECOND-HAND mixer for plastic substance; hand power; good condition. State lowest price, Bart, 122 Sandmere Road, Clapham, S.W.
OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, London, S.W.

Our German Letter.

(Special Correspondence to the "C. & D.")

Ethyl Alcohol from Cellulose.—In the "Zeitschrift für wissenschaftliche Zeitung," January 21, Dr. Robert C. deals with the production of ethyl alcohol from cellulose. He is of the opinion that mankind would be more benefited if the cellulose of wood refuse were converted into assimilated carbohydrate, such as sugar or starch, than if carrying the process to the alcohol stage. He recalled that practical experience in this country is in this view.

A Syndicate of German Perfumery Merchants been founded in Berlin, whose object is to unite the firms and to enter into relations with the manufacturers to the advantage of the members. The proprietors of the following firms have been appointed to act as a syndicate: Otto Geber & Co., Hamburg; J. Prochowick, Berlin; Lebrecht, Weigel & Entz, Stettin; Paul Weiss & Co., St. Petersburg; Carl Hitzschke, Elberfeld; and Lehmann & Co., Berlin. Hamburg has been chosen as the headquarters of the syndicate.

COMING EVENTS.

This section of the "C. & D." is reserved for advance notice of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings etc.

Monday, February 16.

Chesterfield Pharmacists' Association, Marlborough Road, Chesterfield. Whist-drive and dance.

Wednesday, February 18.

Ucal Lodge of Pharmacy, Stanley's Restaurant, 30 Abchurch Lane, Hill, London, S.W., at 3 p.m. Meeting.

Nottingham Pharmaceutical Association, Victoria Street, Nottingham, at 8 p.m. Mr. H. Owce Meek on "Urine Analysis."

Scarborough and North Riding Association of Pharmacists, Annual dinner. Tickets from Mr. W. H. Newell, Secretary, 82 Castle Road.

Thames Valley Pharmacists' Association, "The Palace," 30 The Rise, Richmond. Whist drive. Tickets (2s. 6d. each) at 4s. 6d. can be had from Mr. W. H. Peake, The Grove, Twickenham; Mr. Alfred Higgs, 42 Richmond Road, Richmond; or Mr. F. Harvey, 1 Claremont Road, Richmond.

Midland Pharmaceutical Association, Grand Hotel, Birmingham, at 6.30. Whist-drive and supper. Tickets (4s. each) from Hon. Secretary, Mr. F. Smith, 221 Soho Road, Hanworth, Birmingham.

South-West London Pharmacists' Association, Stanley's Restaurant, Lavender Hill, London, S.W., at 2.30 p.m. Address on "Bookkeeping."

Essex County Pharmacists' Association, 17 Bloomsbury Square, London, W.C. Annual meeting. A financial statement sent to every member.

Thursday, February 19.

Chemical Society, Burlington House, London, W., at 6.30 p.m. Among the papers to be communicated are the following: "Condensations of Cyanohydrins. Part II.—The Condensation of Chloroacetylanhydride with Chloral Hydrate and with Bromoacetylanhydride," by Messrs. H. L. Crowther, H. McCombe, and T. H. Rende; "The System Ether—Water—Potassium Iodide—Mercuric Iodide. Part II.—Saturated Solutions in the Ternary Component System," by Mr. A. C. Dunningham; "The Connection between the Dielectric Constant and the Solvent Power of a Liquid," by Messrs. W. E. S. Turner and C. C. Bassett; "The Viscosities of Some Binary Liquid Mixtures containing Formamide," by Messrs. E. W. Merry and W. E. S. Turner.
Chemists' Assistants' Association, Crown Room, Holborn Restaurant, London, W.C., at 7.30 p.m. Cinderella dance. Tickets (double 10s., single 5s. 6d.) from Mr. W. P. Styles, 11 Brunswick Road, Kingston-on-Thames.

Friday, February 20.

School of Pharmacy of the Pharmaceutical Society, Gordon Road, Holborn Restaurant, London, W.C., at 7.30 p.m. Annual dinner. Tickets (6s. 6d. each) from the Hon. Secretaries, 17 Bloomsbury Square, W.C.

INSTITUTE OF OPHTHALMIC OPTICIANS,—Professor S. Van der Thompson, F.R.S., will lecture on "Dispersion" in the Sec. of Arts Theatre on February 26, at 8 p.m.

ASSOCIATION OF WOMEN PHARMACISTS.—The next meeting will take place at Gordon Hall, Gordon Square, London, W.C., on March 3, instead of February 24, as announced on the programme for the session.

JUNIOR PHARMACY BALL.—This will be held at the Portico Rooms, Baker Street, London, W., on March 11. Tickets, 7s. 6d. each, including supper and light refreshments during the evening from Mr. B. R. Wilkinson, Hon. Secretary, 23 Cromwell Place, South Kensington, S.W.



